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UNIVERSITY OF ILLINOIS CIRCULAR
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UNIVERSITY OF ILLINOIS

College of Medicine

1920-21

PUBLISHED BY THE UNIVERSITY OF ILLINOIS
CHICAGO

UNIVERSITY OF ILLINOIS

THE STATE UNIVERSITY

URBANA

EDMUND JANES JAMES, PH.D., LL.D, President (On leave)
DAVID KINLEY, PH.D., LL.D., Acting President

The University includes the following departments:

The Graduate School

The College of Liberal Arts and Sciences (Ancient and Modern Languages and Literatures; History; Economics, Political Science, Sociology; Philosophy, Psychology, Education; Mathematics; Astronomy, Geology; Physics; Chemistry; Botany; Zoology, Entomology; Physiology; Art and Design)

The College of Commerce and Business Administration (General Business, Banking, Insurance, Accountancy, Railway Administration, Foreign Commerce; Courses for Commercial Teachers and Commercial and Civic Secretaries)

The College of Engineering (Architecture; Architectural, Ceramic, Civil, Electrical, Mechanical, Mining, Municipal and Sanitary, and Railway Engineering; General Engineering Physics)

The College of Agriculture (Agronomy; Animal Husbandry; Dairy Husbandry; Horticulture and Landscape Gardening; Agricultural Extension; Teachers' Course; Home Economics)

The College of Law (Three-year and four-year curriculums based on two years and one year of college work, respectively)

The College of Education

The Curriculum in Journalism

The Curriculums in Chemistry and Chemical Engineering

The School of Railway Engineering and Administration

The School of Music (Four years' curriculum)

The School of Library Science (Two years' curriculum for college graduates)

The College of Medicine (in Chicago; five-year course, including one year interne service)

The College of Dentistry (in Chicago)

The School of Pharmacy (in Chicago; Ph.G. and Ph.C. curriculums)

The Summer Session (eight weeks)

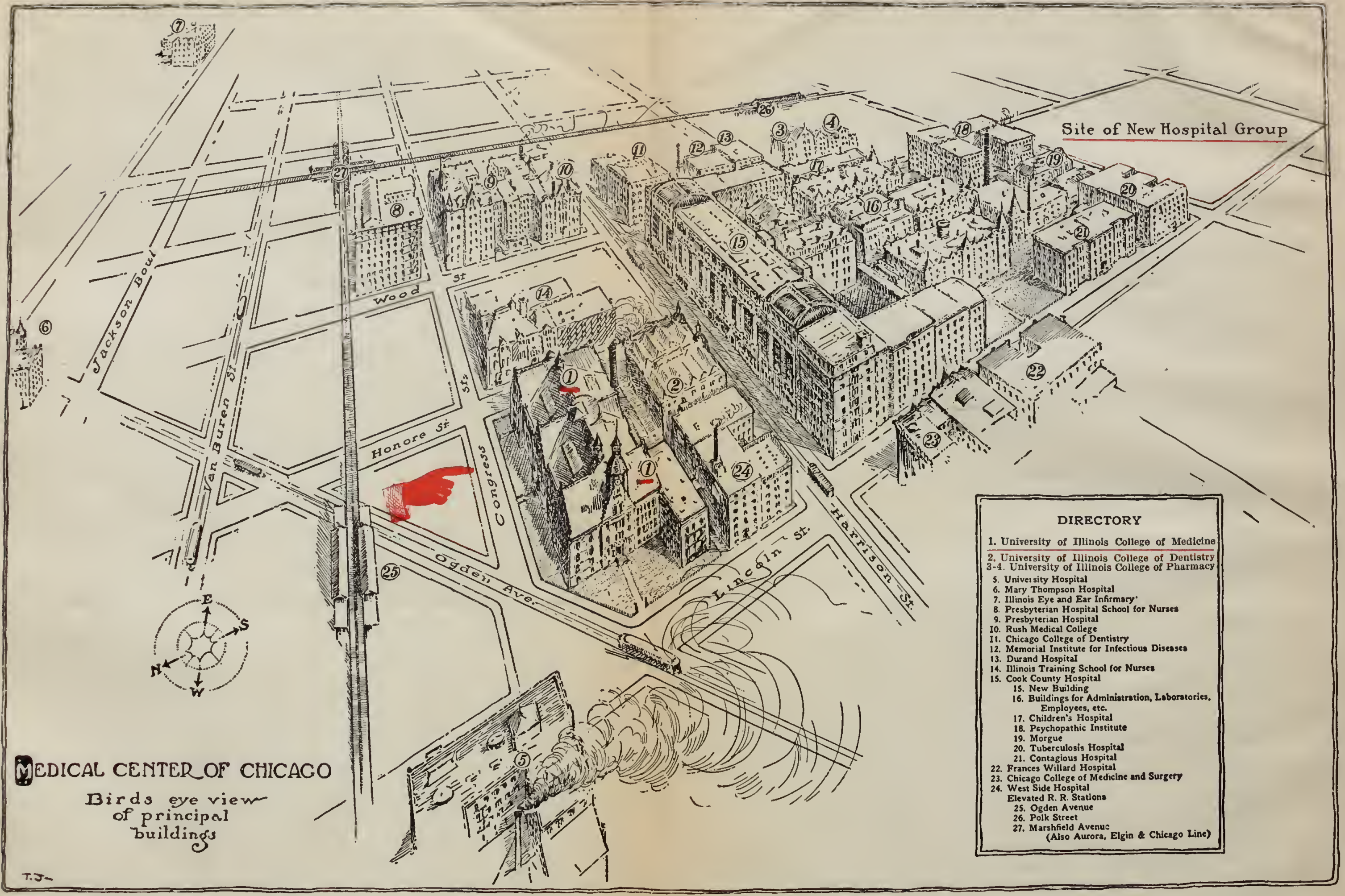
Experiment Stations and Scientific Bureaus: U. S. Agricultural Experiment Station; Engineering Experiment Station; State Laboratory of Natural History; State Entomologist's Office; Biological Experiment Station on Illinois River; State Water Survey; State Geological Survey; U. S. Bureau of Mines Experiment Station.

The library collections contain (June 1, 1920) 466,044 volumes and 111,366 pamphlets.

For catalogs and information address

THE REGISTRAR

Urbana, Illinois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MEDICAL CENTER OF CHICAGO

Birds eye view of principal buildings

DIRECTORY

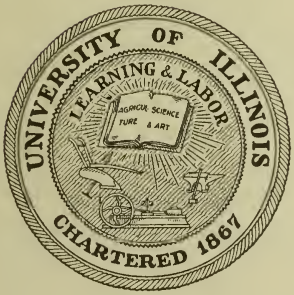
1. University of Illinois College of Medicine
2. University of Illinois College of Dentistry
3-4. University of Illinois College of Pharmacy
5. University Hospital
6. Mary Thompson Hospital
7. Illinois Eye and Ear Infirmary
8. Presbyterian Hospital School for Nurses
9. Presbyterian Hospital
10. Rush Medical College
11. Chicago College of Dentistry
12. Memorial Institute for Infectious Diseases
13. Durand Hospital
14. Illinois Training School for Nurses
15. Cook County Hospital
    15. New Building
    16. Buildings for Administration, Laboratories, Employees, etc.
    17. Children's Hospital
    18. Psychopathic Institute
    19. Morgue
    20. Tuberculosis Hospital
    21. Contagious Hospital
22. Frances Willard Hospital
23. Chicago College of Medicine and Surgery
24. West Side Hospital

Elevated R. R. Stations
- 25. Ogden Avenue
- 26. Polk Street
- 27. Marshfield Avenue (Also Aurora, Elgin & Chicago Line)

COLLEGE OF MEDICINE

CIRCULAR OF INFORMATION

1920-1921


UNIVERSITY OF ILLINOIS
LEARNING & LABOR
AGRICULTURE SCIENCE & ART
CHARTERED 1867

CHICAGO
PUBLISHED BY THE UNIVERSITY
1920

THE BOARD OF TRUSTEES

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The Superintendent of Public Instruction

HON. FRANCIS G. BLAIR......................................*Springfield*

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Harrison E. Cunningham, Urbana..................................Secretary
Hazen S. Capron, Champaign......................................Treasurer
Lloyd Morey, Urbana...Comptroller

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1920

JANUARY.

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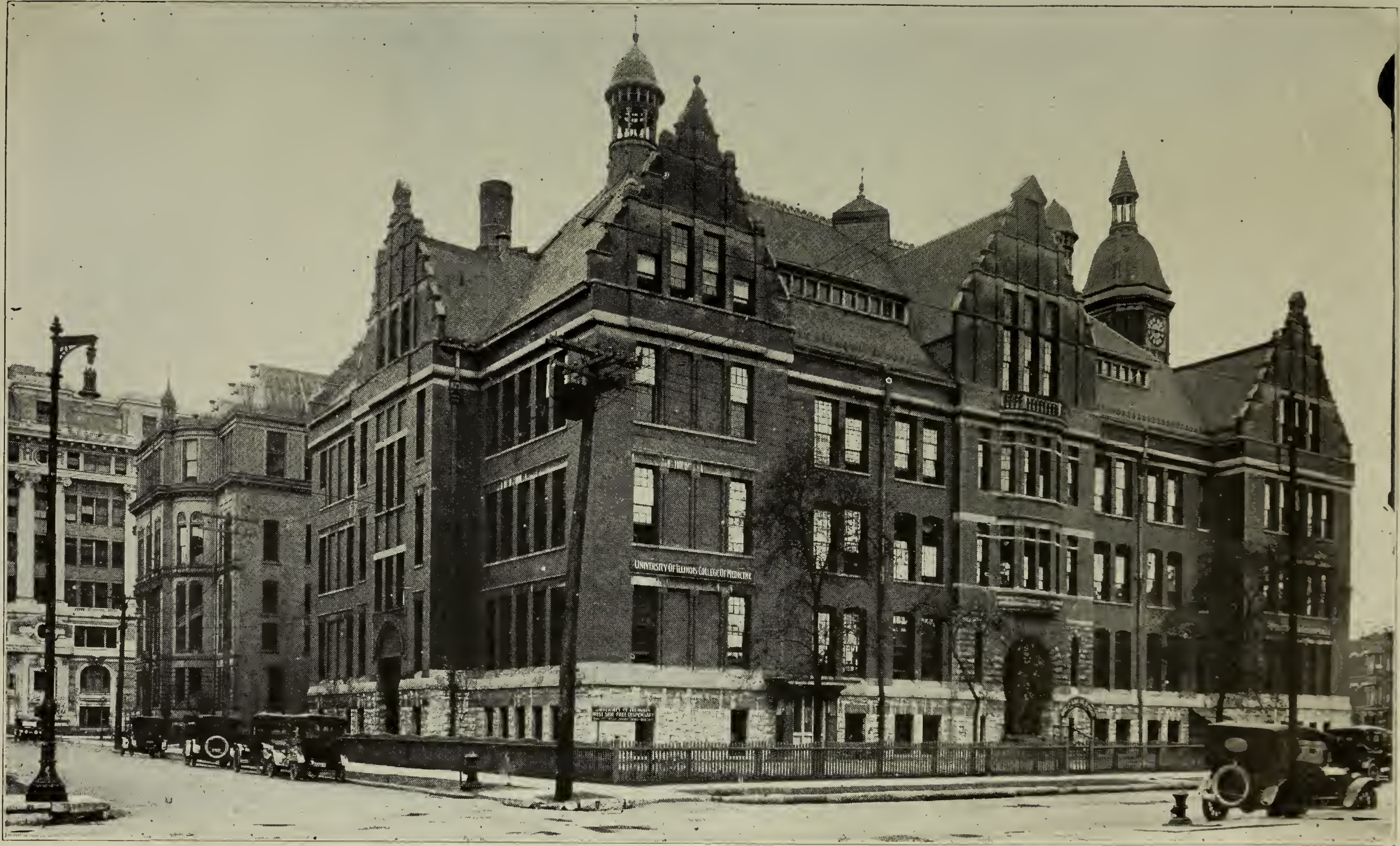
UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS
Cook County Hospital in the Background

COLLEGE CALENDAR

1920-21

FIRST SEMESTER

SEPTEMBER 15-17—Wednesday-Friday
Entrance examinations

SEPTEMBER 21-23—Tuesday-Thursday
Examination for removal of conditions

SEPTEMBER 24-25—Friday-Saturday
Registration begun

SEPTEMBER 27—Monday, 8 a. m.
First semester begun

OCTOBER 2—Saturday
Registration closed

NOVEMBER 24—Wednesday, 12 m.
Thanksgiving recess begun

NOVEMBER 29—Monday, 8 a. m.
Instruction resumed

DECEMBER 23—Thursday, 6 p. m.
Holiday recess begun

JANUARY 3, 1921—Monday, 8 a. m.
Instruction resumed

JANUARY 31-FEBRUARY 4—Monday-Friday
Semester examinations

SECOND SEMESTER,

FEBRUARY 7—Monday, 8 a. m.
Second semester begun

FEBRUARY 12—Saturday
Lincoln Day

FEBRUARY 22—Tuesday
Washington Day

MARCH 23—Wednesday, 6 p. m.
Easter recess begun

MARCH 28—Monday, 8 a. m.
Instruction resumed

MAY 30—Monday
Memorial Day

MAY 31, JUNE 10 Tuesday, Friday
Final examinations

JUNE 10—Friday
Class Day and Alumni meetings

JUNE 15—Wednesday
Fiftieth annual commencement

ADMINISTRATIVE OFFICERS

1919-1920

Edmund Janes James, Ph.D., LL.D., President
David Kinley, Ph.D., LL.D., Acting President

Albert Chauncey Eycleshymer, B.S., Ph.D., M.D., *Dean*
Charles Maxwell McConn, A.M., *Registrar*

Office of Secretary

William Henry Browne, *Secretary*

Edward C. Fletcher, *Assistant Superintendent of Buildings and Purchasing Agent*

Harry Clinton Bigglestone, A.B., *Director of Employment and Student Information Bureau*

The Quine Library

Metta May Loomis, *Librarian*

UNIVERSITY COMMITTEES

Committee on Medical Education

Eycleshymer (Chairman), Ochsner, Ward

Discipline Committee of the Chicago Professional Schools

Welker (Chairman), Browne, Thomas, Day

STANDING COMMITTEES

Committee on Catalog

Welker (Chairman), Browne, Heintz

Committee on Curriculum

Tice (Chairman), Beck, McGuigan, Welker

Committee on Dispensary

Brown (Chairman), Browne, Harger, Lang, Mosser

Committee on Hospital Affiliation

Bacon (Chairman), Ochsner, Singer, Brown, Davis, Davison, McGuigan

Committee on Library

Davis (Chairman), Loomis, Moodie, Sippy, Tice

Committee on Optional Courses

Dreyer (Chairman), Bacon, Davison, Davis, McGuigan

Committee on Physicians' Courses

Pierce (Chairman), Barrett, Brown, Davis, Goodkind, Hess

THE COLLEGE OF MEDICINE

(Congress and Honore Steets, Chicago)

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1919-1920

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David Kinley, Ph.D., LL.D.................................*Acting President*

Emeritus

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Henry Parker Newman, A.M., M.D......*Professor of Gynecology,* Emeritus
Henry Turman Byford, A.M., M.D......*Professor of Gynecology,* Emeritus
Oscar Augustus King, M.D .*Professor of Neurology and Psychiatry,* Emeritus
William Allen Pusey, A.M., M.D........*Professor of Dermatology,* Emeritus
Daniel Atkinson King Steel, M.D., LL.D.....*Professor of Surgery,* Emeritus
Casey A. Wood, A.M., M.D.............*Professor of Ophthalmology,* Emeritus
Frank Breckenridge Earle, M.D...........*Professor of Pediatrics,* Emeritus
Adolph Gehrmann, M.D.....................*Professor of Hygiene,* Emeritus

---

Maurice Louis Goodkind.......................*Professor of Clinical Medicine*

B.A., Williams, 1886; M.D., Columbia, 1889.

Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology, Northwestern, 1893-96; Attending Physician, County Hospital, 1904—, Michael Reese Hospital, 1893—.

George Peter Dreyer..

Professor of Physiology and Physiological Chemistry and Head of Department.

B.A., Johns Hopkins, 1887, Ph.D., 1890.

Fellowship in Physiology, Johns Hopkins, 1889-90. Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor Physiology, Illinois (Medical School), 1900, 1907; Junior Dean, 1913-1915.

Albert John Ochsner............*Professor of Surgery and Clinical Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.

Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—.

Charles Spencer Williamson..

........................*Professor of Medicine and Head of Department*

B.S., Cincinnati, 1893; M.D., Cincinnati, 1896; M.S., Cincinnati, 1901.

Attending Physician, Cook County Hospital, 1902-1903; Member of Cook County Consulting Staff, 1904-1913; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-1904; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-1911; Professor of Medicine and Clinical Medicine, Illinois, 1912-1913; Professor of Medicine and Head of the Department, Illinois, 1913—.

Charles Sumner Bacon.......................................

Professor of Obstetrics and Head of Department of Obstetrics and Gynecology.

Ph.B., Beloit, 1878; M.D., Northwestern, 1884.

Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—, Director, Chicago Lying-In Hospital, 1908—.

Charles Davison.............*Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.

Professor of Surgical Anatomy, Illinois, 1899-1900, Adjunct Professor of Clinical Surgery, 1900-03, Adjunct Professor of Surgery and Clinical Surgery, 1903-04, Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894-1920, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

Frederick Tice......................................*Professor of Medicine*

M.D., Rush, 1894.

Assistant Professor of Diseases of the Chest, Illinois, 1903, Professor of Diseases of the Chest, 1905-17; Chief Physician, County Institutions, 1897-1899; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

Joseph McIntyre Patton..............................*Professor of Medicine*

M.D., New York, 1882.

Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901, Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-1919; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-1920; Consulting Physician, Park Av. Hospital, 1905—.

Channing Whitney Barrett......................................

....*Professor of Gynecology and Clinical Gynecology and Head of Division*

M.D., Detroit, 1895.

Instructor in Medicine, Illinois, 1897-1898; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Adjunct Professor of Clinical Gynecology, Illinois, 1901-1909; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-1910; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-1915; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-1912; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—; Attending Surgeon (Gynecologist, West Side Hospital, 1914—.

Norval Pierce

Professor of Laryngology, Rhinology and Otology and Head of Department

M.D., College of Physicians and Surgeons, Chicago, 1885.

Surgeon Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose and Throat; Laryngologist and Otologist, Michael Reese Hospital, Passavant Memorial Hospital; Attending Rhinologist and Laryngologist, St. Lukes Hospital.

Albert Edward Halstead...........*Professor of Surgery and Clinical Surgery*

M.D., Northwestern, 1890.

Professor, Principles and Practise of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon St. Luke's Hospital.

Albert Chauncey Eycleshymer...

Dean of the College; Professor and Head of Department of Anatomy, Histology, and Embryology.

B.S., Michigan, 1891; Ph.D., Chicago, 1894; M.D., St. Louis, 1910.

Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93; Assistant, 1893-95; Associate in Anatomy, 1895-97; Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96, studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98; Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-01; Assistant Professor Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1918; Junior Dean, Illinois (Medical School), 1915-1916; Dean, 1917—.

William McIntyre Harsha.......*Professor of Surgery and Clinical Surgery*

B.S., National Normal University, Lebanon, O., 1876, B.A., 1877; M.D., Northwestern, 1883; Lecturer in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

David John Davis..

........*Professor of Pathology and Bacteriology and Head of Department*

B.S., Wisconsin, 1898; Ph.D., Chicago, 1905; M.D., Rush, 1903.

Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13.

Julius Hayes Hess...

......*Professor of Pediatrics and Clinical Pediatrics and Head of Division*

M.D., Northwestern, 1899.

Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—; Winifield T. B. Sanitarium, 1914—, Jackson Pk. Sanitarium for Children, 1917—.

Hugh Alister McGuigan..

Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department

B.S., North Dakota Agri. College, 1898; Ph.D., Chicago, 1906; M.D., Rush, 1908.

Assistant Professor of Chemistry, North Dakota Agri. College and Expt. Sta., 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

EDWARD VAIL LAPHAM BROWN..*Professor of Ophthalmology and Head of Department*

M.D., Rush, 1898; B.S., Chicago, 1902.

Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Cook County Hospital, 1914-18; Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917-18; Instructor and Assistant Professor of Ophthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-1917.

HAROLD DOUGLAS SINGER.........*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900, M.R.C.P., 1901.

Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas's Hospital, London, 1898-99; Assistant Superintendent Clinical Laboratory, St. Thomas's Hospital, 1899-00; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-02; Resident Assistant Physician, St. Thomas's Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Dept. of Public Welfare, State of Illinois, 1917—.

CHARLES EDWARD HUMISTON....................*Professor of Clinical Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896.

Surgeon Cook County Hospital, 1902—, West Suburban Hospital, 1914;

Instructor in Surgery, Illinois, 1905-06; Assistant Professor of Surgery, 1906; Adjunct Professor of Surgery, 1907-12; Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13; Associate Professor of Surgery and Clinical Surgery, 1913-14; Associate Professor of Clinical Surgery, 1914-18.

HENRY FOSTER LEWIS...........*Professor of Obstetrics and Clinical Obstetrics*

A.B., Harvard, 1885; M.D., Harvard, 1888.

Professor of Physical Diagnosis, Physicians and Surgeons, Chicago, 1891-1893; Assistant Professor of Obstetrics and Gynecology, Rush, 1899-1907; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-1918; Attending Obstetrician, Cook County Hospital, 1906-1908; Attending Surgeon, Cook County Hospital, 1908-1913; Attending Obstetrician, Cook County Hospital, 1913—.

HERMAN MORRIS ADLER..*Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence.*

A.B., Harvard, 1897; A.M., Columbia, 1901; M.D., Columbia, 1901.

Assistant Children's Clinic, Charite, Berlin, 1904-1905; Assistant in Clinical Pathology, Harvard, 1906-1909; Instructor in Neuropathology and Psychiatry, Harvard, 1909-1912; Pathologist and Assistant Physician, Danvers State Hospital, Massachusetts, 1909-1912; Chief of Staff, Psychopathic Hospital, Boston, 1912-1916; Assistant Professor of Psychiatry, Harvard, 1912-1916.

ASSOCIATE PROFESSORS

RACHELLE S YARROS....*Associate Professor of Obstetrics and Clinical Obstetrics*

M.D., Pennsylvania Woman's Medical College, 1893.

Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-In Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919—.

JOSEPH CLAR BECK..*Associate Professor of Laryngology, Rhinology and Otology*

M.D., College of Physicians and Surgeons, Chicago, 1895.

Laryngologist, Rhinologist and Otologist, University Hospital, North Chicago Hospital, Cook County Hospital.

NELSON MORTIMER PERCY..............*Associate Professor of Clinical Surgery*

M.D., Rush, 1899.

Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—.

CHARLES MAYOR JACOBS...*Associate Professor of Clinical Surgery (Orthopedic)*

M.D., Northwestern, 1894.

Attending Orthopedic Surgeon, Cook County Hospital, Home for Destitute Crippled Children, Michael Reese Hospital.

FRANK SMITHIES...........................*Associate Professor of Medicine*

M.D., Michigan, 1904.

Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, Univ. of Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt. Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913—; Medical Consultant, U. S. Marine Hospital, Chicago, 1918—.

EDWARD LOUIS HEINTZ...*Associate Professor of Medicine and Clinical Medicine*

Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901.

Assistant Professor of Materia Medica, Illinois, 1901-03; Adjunct Professor Materia Medica, 1903-12; Assistant Professor of Medicine, 1913-18; Attending Physician, University Hospital, 1908—; Attending Physician Cook County Hospital, 1918—.

MAURICE LEWISON.................*Associate Professor of Physical Diagnosis*

M.D., Northwestern, 1906.

Instructor in Neurology and Diseases of the Chest, Illinois, 1908-09; Instructor in Diseases of the Chest, 1909-12; Professor of Physical Diagnosis, 1912-13; Assistant Professor of Physical Diagnosis, 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

GEORGE FARNSWORTH THOMPSON.......................................
......................*Associate Professor of Surgery and Clinical Surgery*

B.S., Wisconsin, 1896; M.D., Rush, 1899.

Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906-20; West Side Hospital, 1910—.

ARTHUR RICHARD ELLIOTT....................*Associate Professor of Medicin*

M.D., Queen's Univ. Canada, 1889. C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—.

JOHN WEATHERSON..........................*Associate Professor of Medicine*

C.E., Cornell, 1895; M.D., Illinois, 1900.

Instructor in Medicine, Illinois, 1901-10; Assistant Professor of Medicine, Illinois, 1910-17; Member of Attending Staff, Chicago Hospital, 1901-08; Member of Attending Staff, Lakeside Hospital, 1908-14; Member of Attending Staff, South Shore Hospital, 1919—.

OTTO HERMAN ROHRLACK..
..................*Associate Professor of Obstetrics and Clinical Obstetrics*

M.D., Northwestern, 1902; Ph.G., Northwestern, 1892.

Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-In Hospital, 1910—. Cook County Hospital, 1917—, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19.

WILLIAM HENRY WELKER......*Associate Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund). 1910-11; Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19.

ASSISTANT PROFESSORS

JOHN MICHAEL LANG........*Assistant Professor of Gynecology and Obstetrics*

M.D., Illinois, 1900.

Member of Staff, West Side Hospital, 1912—.

FRANK DONALD MOORE....*Assistant Professor of Surgery and Clinical Surgery*

M.D., Illinois, 1899.

Member of Staff. University Hospital. 1915—

EDWARD FRANKLIN LEONARD................*Assistant Professor of Neurology*

M.D., Illinois, 1903.

Assistant Physician, Jacksonville State Hospital, 1905-13; Instructor in Psychiatry, Illinois, 1913-14, Instructor in Neurology, 1913-15; Consulting Neurologist, Convent of Good Shepherd, 1915—.

ROY LEE MOODIE..........................*Assistant Professor of Anatomy*

A.B., Kansas, 1905; Ph.D., Chicago, 1908.

Assistant Professor of Zoology, Kansas, 1908-13.

CHARLES MORGAN MCKENNA....................................
........................*Assistant Professor of Surgery (Genito-Urinary)*

B.S., Chicago, 1903; M.D., Rush, 1905.

Surgeon, St. Joseph's Hospital.

BENJAMIN FRANKLIN LOUNSBURY....*Assistant Professor of Operative Surgery*

B.L., Wisconsin, 1902; M.D., Northwestern, 1907.

Surgeon in Charge, Washington Blvd. Hospital, 1913—.

HENRY BASCOM THOMAS..........*Assistant Professor of Surgery (Orthopedic)*

B.S., Chicago, 1899; M.D., Northwestern, 1903.

Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery. 1905-09; Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—, County Hospital, 1908—; Chief Orthopedic Surgeon, Cook County Hospital, 1913—; Member of Consulting Staff, T. M. Hospital; Professor of Hygiene, Medical Advisor Armour Institute of Technology.

WILLIAM CLARK DANFORTH....................*Assistant Professor of Surgery*

B.S., Northwestern, 1900, M.D., 1903.

Attending Gynecologist and Obstetrician, Evanston Hospital.

Charles Francis Read......................*Assistant Professor of Psychiatry*

B.S., Beloit, 1898; M.D., Rush, 1901.

John Ross Harger...........*Assistant Professor of Surgery and Minor Surgery*

B.S., Chicago, 1904; M.D., Rush, 1906.

Assistant in Clinical Surgery, Illinois, 1908-10; Instructor in Clinical Surgery, 1910-12; Assistant Professor of Junior Surgery and Minor Surgery, 1912-13; Instructor in Junior and Minor Surgery, 1913-16; Associate in Surgery and Minor Surgery, 1916-18.

Frank Chauvet...................*Assistant Professor of Physical Diagnosis*

M.D., Illinois, 1907.

Instructor in Junior Medicine, Histology and Embryology, Illinois, 1912-13; Instructor in Physical Diagnosis, 1913-17; Associate in Physical Diagnosis, 1917-18.

Member Consulting Staff, Cook County Hospital, T. B. Dept., 1912—, Member Medical Staff, University Hospital, 1914—, Norwegian American Hospital, 1918—.

Karl Albert Meyer.....................*Assistant Professor of Clinical Surgery*

M.D., Illinois, 1908.

Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18. Medical Warden, Cook County Hospital, 1914—.

Maurice Lamm Blatt......................*Assistant Professor of Pediatrics*

M.D., Rush, 1903.

Instructor in Pediatrics, Illinois, 1914-16; Associate in Pediatrics, Illinois, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal T. B. Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, T. B., 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-1915; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20; Attending Physician, Pediatric Department, Cook County Hospital, 1920.

Walter Howard Meents.....................*Assistant Professor of Surgery*

B.S., Northwestern, 1904; M.D., Rush, 1907; Diploma, Vienna, 1911.

Assistant Instructor in University of Marburg, Germany, 1910; Instructor in Surgery, Rush, 1913-19.

Ralph Chess Purnell Truitt...
.........................*Assistant Professor of Neurology and Psychiatry*

M.D., Maryland, 1910.

Clinical Instructor in Psychiatry, Baltimore Medical College and College of Physicians and Surgeons, Baltimore, 1912-13; Assistant Physician, New Jersey State Hospital, Trenton, 1910-12; Physician-in-Chief, City Hospital, and Physician in Out Patient Department, Johns Hopkins Hospital, Baltimore, 1912-13; First Assistant Resident Physician, Phipps Psychiatric Clinic, Johns Hopkins Hospital, 1913-14; Medical Director State Hospital, Jackson, La., 1914-15; Senior Physician, State Hospital, Trenton, N. J., 1915-17.

Cassius Clay Rogers........................*Assistant Professor of Surgery*

A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M., Valparaiso, 1908.

Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and Head of the Department of Surgery, Chicago College of Medicine and Surgery, 1905-15.

Frederick George Dyas....*Assistant Professor of Surgery and Clinical Surgery*

M.D., Northwestern, 1904.

Instructor in Surgery, Northwestern, 1906-08; Instructor in Surgery, Illinois, 1908-10; Attending Surgeon, Provident Hospital, 1910-12; Assistant Attending Surgeon, St. Luke's Hospital, 1910-18; Attending Surgeon, Cook County Hospital, 1910—.

Josiah John Moore..........*Assistant Professor of Pathology and Bacteriology*

S.B., Montana, 1907; M.S., Chicago, 1915; M.D., Rush, 1912.

Assistant in Biology, Montana, 1905-07; Fellow in Pathology, Chicago, 1909-10; Research Fellow, Memorial Institute for Infectious Diseases, 1910-11; Special Assistant in Pathology, Chicago, 1911-12; Fellow in Otho Sprague Memorial Institute, 1912-13; Pathologist, Ravenswood Hospital, 1912; Instructor to M.O.A.C., U. S. Navy, 1917 (Summer); Associate in Experimental Medicine, Illinois, 1913-18; Associate in Pathology and Bacteriology, Illinois, 1918-19.

Ernest Sisson Moore................*Assistant Professor of Clinical Medicine*

Ph.B., DePauw, 1892; M.D., Illinois, 1903.

Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10: Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18.

Henry Eugene Irish.......................*Assistant Professor of Pediatrics*

M.D., Illinois, 1901.

Instructor in Junior Medicine, Illinois, 1911-14; Instructor in Pharmacology and Therapeutics, 1904-11; Instructor in Pediatrics, 1914-17; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital, 1916—, Attending Physician, Cook County Hospital (Contagious), 1917—; Associate in Pediatrics, Illinois, 1918-19.

Charles Herbert Phifer............................*Assistant Professor of Surgery*

M.D., Illinois, 1902.

Instructor in Junior Medicine, Illinois, 1902-07; Instructor in Senior Surgery, Illinois, 1908-16; Instructor in Surgery, Illinois, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914-20; Attending Surgeon, South Shore Hospital, 1919-20; Associate in Surgery, Illinois, 1918-19.

Egan Walter Fischmann..................*Assistant Professor of Gynecology*

M.D., Rush, 1906.

Instructor in Gynecology, Illinois, 1912-18; Associate in Gynecology, Illinois, 1918-19; Instructor in Medicine, Illinois, 1907-11.

Adolph Hartung.......................*Assistant Professor of Roentgenology*

M.D., Illinois, 1908.

Instructor in Radiology, Illinois, 1912-14; Instructor in Roentgenology, 1914-18. Roentgenologist, Cook County Hospital, 1909-13, Alexian Bros. Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16; Associate in Roentgenology, Illinois, 1918-19.

ASSOCIATES

Thomas Harris Boughton...............................*Associate in Pathology*

B.S., Chicago, 1903, M.S., 1904; M.D., Rush, 1906.

Resident Pathologist, County Hospital, 1909-11.

George John Lorch....................................*Associate in Medicine*

Ph.G., Chicago College of Pharmacy, 1895; M.D., Illinois, 1901.

Instructor in Materia Medica, Illinois, 1906-07; Instructor in Materia Medica and Clinical Medicine, 1907-12; Instructor in Materia Medica and Therapeutics, 1912-13; Instructor Junior Medicine, 1913-14; Instructor in Medicine, 1914-18; Assistant Attending Physician, University Hospital, 1908—.

Raymond William McNealy............................*Associate in Surgery*

M. D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13; Instructor in Senior Neurology, Psychiatry and Junior Medicine, 1912-13; Instructor in Senior Surgery, 1913-14; Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—.

Walter Bradford Metcalf......................*Associate in Clinical Medicine*

M.D., Northwestern, 1894.

Instructor in Diseases of the Chest, Illinois, 1912-1914; Instructor in Clinical Medicine, 1914-18; Attending Physician, Cook County Hospital, 1914-15; Consulting Physician, Chicago Municipal T. B. Sanitarium, Cook County Hospital.

Albert John Schoenberg............................*Associate in Gynecology*

M.D., Illinois, 1899.

Instructor in Gynecology, Illinois, 1910-18; Surgeon, Deaconess Hospital, 1907—.

Arrie Bamberger......................................*Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.

Instructor in Pediatrics, Illinois, 1910-11; Assistant Professor of Pediatrics, 1911-12; Assistant Professor Clinical Pediatrics, 1912-13; Instructor Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910—.

Fred Raymond Crooks................................*Associate in Medicine*

M. D., Illinois, 1912.

Instructor in Medicine, Illinois, 1914-18.

Oscar Eugene Nadeau........*Associate in Surgery and Instructor in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Instructor of Photography, Wisconsin, 1910-11; Instructor, Surgical Pathology, Illinois, 1911-18. Pathologist, St. Mary of Nazareth Hospital, 1912-13; Chief Assistant to Drs. Ochsner and Percy, Augustana Hospital, 1916-1917; Associate Surgeon and Director of Laboratories, St. Mary of Nazareth Hospital, 1917.

Franklin Samuel Wilson......................*Associate in Clinical Medicine*

Ph.G., Illinois, 1894; M.D., 1911.

Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents Physician; Examining Physician for Juvenile Home and Court.

Edward Francis Garraghan..
.........................*Associate in Laryngology, Rhinology and Otology*

A.B., St. Ignatius College, 1895, A.M., 1905; M.D., Illinois, 1901.

Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1914-18; Assistant Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1910— Attending Oculist and Aurist, Municipal T. B. Sanitarium, 1918—.

WALTER HENRY THEOBALD..*Associate in Laryngology, Rhinology and Otology*

S.B., Chicago, 1911; M.D., Rush, 1911.

Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1916-18; Rhinologist and Laryngologist, St. Luke's Hospital, 1915—.

PAUL GERHARD ALBRECHT.................*Associate in Physiological Chemistry*

Ph.D., Stanford, 1917.

Assistant in Chemistry, Stanford, 1913-14. Professor of Chemistry, Western Reserve Univ., College of Pharmacy, 1914-17.

FRANK LEE STONE......................................*Associate in Gynecology*

M.D., Illinois, 1910.

Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

JOHN PERLY SPRAGUE.........................*Associate in Orthopedic Surgery*

A.B., Bates College, 1898; M.D., Northwestern, 1903.

Clinical Assistant in Neurology, Northwestern, 1903-1905; Professor of Hygiene, Grinnell College, 1914-1917; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—.

JOHN WESTON NUZUM..........*Associate in Anatomy and Lecturer in Hygiene*

B.S., Wisconsin, 1912; M.D., Rush, 1915.

Director of Laboratories, Cook County Hospital, 1916-19; Surgical Assistant, Augustana Hospital, 1919—.

HARRY CULVER...........................*Associate in Genito-Urinary Surgery*

B.S., Wisconsin, 1910; M.D., Rush, 1913; M.S., Illinois, 1918.

Instructor in Medicine, Illinois, 1915-18; Instructor in Genito-Urinary Diseases, Illinois, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

SAMUEL NYE CLARK...................*Associate in Neurology and Psychiatry*

M.D., Illinois, 1909.

Assistant in Medicine (Neurology), Rush, 1914-18; Assistant Physician, Kankakee State Hospital, 1910-13; Physician, State Psychopathic Institute, Kankakee, 1913-17; Assistant Psychiatrist and Psychiatrist, Juvenile Psychopathic Institute, Chicago, 1917—.

LAURENCE HAMPSON MAYERS...........................*Associate in Medicine*

B.A., Bethany, 1909; M.A., Bethany, 1916; M.D., Illinois, 1915.

Instructor in Medicine, Illinois, 1916-19.

JAMES MONTROSE DUNCAN OLMSTEAD.................*Associate in Physiology*

A.B., Middlebury, 1907; B.A., Oxford, 1911; M.A., Oxford, 1914; M.A., Harvard, 1918; Ph.D., Harvard, 1920.

Professor of Natural Science, Shorter College, 1911-12; Associate Professor of Biology, Richmond College, 1912-15; Assistant in Zoology, Harvard, 1916-17; Austin Teaching Fellow, Harvard, 1919-20.

JACQUES HOLINGER...........*Associate in Laryngology, Rhinology and Otology*

M.D., University of Basel, 1892.

Assistant Ear, Nose and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology and Otology, Illinois, 1919.

JOHN CHARLES MATTHEW KRASA.......................*Associate in Medicine*

M.D., Illinois, 1913.

Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—.

STEPHEN ROMAN PIETROWICZ...........................*Associate in Medicine*

A.B., St. Stanislaus, 1910; M.D., Illinois, 1898.

Professor of Medicine, Chicago College of Medicine and Surgery, 1910-17; Attending Physician, St. Mary's Hospital, 1900-10; Attending Physician, Cook County Hospital, 1911-12; Physician in Chief, St. Mary's Hospital, 1910-20; Physician in Chief and Superintendent of Dunning Institution, 1911-12; Head Physician of St. Elizabeth's Tubercular Dispensary, Municipal Tuberculosis Sanatorium, 1907-12.

WILLIAM F. PETERSON................................*Associate in Pathology*

A.B., Chicago, 1909; M.D., Rush, 1912.

Instructor Pathology, Columbia, 1910-14; Assistant Professor of Experimental Medicine and Pathology, Vanderbilt, 1914-17.

HENRY LESTER BAKER..*Associate in Surgery*

M.D., Illinois, 1898.

Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital 1915; Instructor in Surgery, Illinois, 1912-19.

WALTER CHARLES HAMMOND..........................*Associate in Obstetrics*

M.D., Illinois, 1911.

Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19.

LESTER EDWARD BOWER.................................*Associate in Pediatrics*

A.B., Illinois, 1912; M.D., Northwestern, 1914.

Attending Pediatrician, Montrose Ave. Hospital; Attending Physician, Department of Children's Diseases, Cook County Hospital; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum.

FRANCIS EUGENE SENEAR...............................*Associate in Dematology*

B.S., Michigan, 1912, M.D., 1914.

Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital; Consulting Dermatologist, Illinois Central R. R.; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19.

ARTHUR REUBEN COOPER...................................*Associate in Anatomy*

B.A., Toronto, 1910, M.A., 1911; Ph.D., Illinois, 1917.

Class Assistant in general Biology, Toronto, 1909-11, Demonstrator in Zoology, 1911-12, Fellow and Demonstrator in Zoology, 1912-14; Lecturing Demonstrator in Zoology, 1914-15; Fellow in Zoology, Illinois, 1915-16; Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station, 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19.

ROBERT WOOD KEETON............*Associate in Pharmacology and Therapeutics*

B.S., Chicago, 1906, M.S., 1913; M.D., Northwestern, 1916.

Assistant in Physiology, Illinois, 1910-12; Adjunct Professor, Physiology, Albany Medical College, 1912-14; Assistant in Pharmacology, Northwestern, 1914-16; Assistant in Physiology, Chicago, 1914-16 (summer); Assistant in Pharmacology, Illinois, 1917-18; Instructor in Pharmacology and Therapeutics, Illinois, 1918-19.

GEORGE WASHINGTON POST, JR.....................*Associate in Clinical Surgery*

A.B., Milton College, 1905, M.S., 1909; M.D., Illinois, 1909.

Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

LECTURERS

ELMER DE WITT BROTHERS.................*Lecturer on Medical Jurisprudence*

B.S., Valparaiso, 1882; LL.B., Michigan, 1892.

Lecturer on Dental Jurisprudence, Illinois, 1895-1912; Lecturer and Instructor, John Marshall Law School, 1903—; Author of Dental and Medical Jurisprudence, 1914.

MATTHEW MILLS................*Alternate Lecturer on Medical Jurisprudence*

A.B., Yale, 1900; LL.B., Northwestern, 1903.

Instructor, John Marshall Law School, 1903—.

BERNARD JOHN CIGRAND.......................*Lecturer on History of Medicine*

B.S., Northern Indiana Normal School. 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.

President and Head of Prosthetic Dentistry, Northwestern (Dental) 1892-99; Secretary and Dean. Illinois (Dental) 1899-1904.

INSTRUCTORS

ANNIE ESTHER BARRON-HARRISON.....................*Instructor in Obstetrics*

M.D., Illinois, 1902.

Superintendent, University Dispensary, 1892-1914; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1912—.

HARRY JEROME SMEJKAL.............*Instructor in Surgery (Genito-Urinary)*

M.D., Illinois, 1908.

Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

GEORGE LUTHER DAVENPORT..........................*Instructor in Surgery*

M.D., Illinois, 1907.

Attending Surgeon, Michael Reese Hospital, 1918—; Attending Surgeon, Cook County Hospital, 1920—.

ARCHIE JAMES GRAHAM...................*Instructor in Surgery (Operative)*

B.S., Illinois, 1902. M.D., 1902.

Edward Morton Heacock..............................*Instructor in Obstetrics*

M.D., Illinois, 1908—.
Instructor in Medicine, Illinois, 1910-11; Instructor in Medicine, Rush, 1911-13; Instructor in Anatomy, Illinois, 1913-15.

Thomas Smith Jones..........*Instructor and Artist in department of Anatomy*

B.F.A., St. Louis, 1908.

Robert Ludwick Furby..............................*Instructor in Medicine*

M.D., Illinois, 1913.
Resident Surgeon, St. Elizabeths Hospital, 1913—.

Horry Matthew Jones..............*Instructor in Pathology and Bacteriology*

B.S., Chicago, 1913; Ph.D., Northwestern, 1916.
Instructor in Physiological Chemistry, Chicago, 1917.

Solomon Maxwell Goldberger.......................*Instructor in Pediatrics*

M.D., Illinois, 1908.
Attending Physician, Jewish Aid Dispensary, 1908-10; St. Margaret's Hospital, Hammond, Ind., 1910-15; Norwegian Deaconess Hospital, 1916—; Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—.

Charles Francis Yerger..
.......................*Instructor in Laryngology, Rhinology and Otology*

M.D., Northwestern, 1905.
Instructor in Medicine, Illinois, 1905-07; Instructor in Operative Surgery, Illinois, 1907-11; Instructor in Oto-laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye, Ear, Nose and Throat), House of Correction, 1913—; Illinois Charitable Eye and Ear Infirmary, 1913—.

Andy Morton Carr................................*Instructor in Ophthalmology*

B.A., North Dakota, 1913; M.D., Rush, 1915.
Resident Physician in Eye, Cook County Hospital, 1917-18.

Bertha Meserve Shafer.................................*Instructor in Anatomy*

A.B., Utah, 1913; M.D., Rush, 1917.
Serologist, Rush, 1917-20; Assistant in Skin and Veneral Diseases, Rush, 1917-20.

James Craig Small..................................*Instructor in Medicine*

B.S., Pennsylvania College, 1911; M.D., Illinois, 1917.
Instructor in Bacteriology, Washington University, 1919; Instructor in Medicine, Illinois, 1919-20.

William Clyde Comee.......*Instructor in Laryngology, Rhinology and Otology*

M.D., Illinois, 1908.

Maurice Seymour Mazel..............*Instructor in Surgery (Genito-Urinary)*

B.S., Northwestern, 1914; M.D., Northwestern, 1918.

Hiram Jason Smith........*Instructor in Laryngology, Rhinology and Otology*

M.D., Illinois, 1907.
Instructor in Medicine, Illinois, 1909-10; Staff Physician, Illinois State Hospitals (Mental and Nervous Diseases), 1909-17; Superintendent Illinois Charitable Eye and Ear Infirmary, 1917-20; Attending Staff, St. Joseph's Hospital, 1919—; Attending Staff, Illinois Central Hospital, 1919—.

Marcus Hatfield Hobart.................*Instructor in Surgery (Orthopedic)*

A.B., Northwestern, 1912; M.D., Northwestern, 1915.

Hartley Farnham Mars..............*Instructor in Surgery (Genito-Urinary)*

Ph.C., Northwestern, 1912; M.D., Illinois, 1917.

Frank Joseph Jirka.................................*Instructor in Medicine*

M.D., Northwestern, 1910.
Assistant Professor of Medicine, College of Medicine and Surgery, Valparaiso University, 1912-13; Assistant in Physical Diagnosis, Illinois, 1913-17.

Emry G. Hyatt...................................*Instructor in Pharmacology*

B.S., Illinois, 1918; M.D., Illinois, 1920.

Grover Tracey..........................*Instructor in Physiological Chemistry*

A. B., Pennsylvania College, 1909.
Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18.

William Joseph Quigley................................Instructor in Medicine
B.S., Wisconsin, 1911; M.D., Rush, 1913.
Attending Staff, Cook County Hospital (Tuberculosis), 1919—.

Clyde Mason Snow............Instructor in Materia Medica and Pharmacology
Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.
Instructor in Chemistry of Drugs. Harvey Medical College, 1903-04; Lecturer on Pharmacognosy, Harvey Medical College, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois, 1902-10; Acting Professor of Pharmacy, Illinois, 1910-11; Assistant Professor of Pharmacy, Illinois, 1911-19; Associate Professor of Pharmacy, Illinois (School of Pharmacy), 1919-20.

Clyde F. Karshner................................Instructor in Medicine
A.B., Michigan, 1905; M.D., Michigan, 1908.

Thomas John Sullivan, Jr..................Instructor in Orthopedic Surgery
M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

Nora Ellen Frederick................................Instructor in Anatomy
A.B., Kansas, 1912.

Isadore Pilot......................................Instructor in Pathology
M.D.,Illinois, 1917; B.S., Chicago, 1919.

Albert Vander Kloot................................Instructor in Medicine
M.D., Illinois, 1915.
Assistant in Medicine, Illinois, 1918-19.

William Franklin Moncreiff..
...................Instructor in Surgery and Assistant in Ophthalmology
S.B., Vanderbilt, 1913; M.S., Vanderbilt, 1913; M.D., Rush, 1917.

Harry Stacey Hulburt...............Instructor in Neurology and Psychiatry
M.D., Michigan, 1914.
Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Hospital, Great Lakes, 1917-18; Assistant Physician, Chicago State Hospital, 1919—.

Charles Newberger................................Instructor in Obstetrics
S.B., Chicago, 1906; M.D.. Rush, 1909.
Attending Obstetrician, Mt. Sinai Hospital, 1919—. Attending Obstetrician, Chicago Lying-In Hospital and Dispensary, 1913—.

Julius Ernest Lackner.............................Instructor in Obstetrics
B.S., Chicago, 1907; M.D., Rush, 1910.
Associate Gynecologist, Michael Reese Hospital, 1912—.

Max Meyerovitz...........................Instructor in Clinical Surgery
M.D., Illinois, 1907.
Assistant in Clinical Surgery,. University Hospital, 1910—; Assistant in Clinical Surgery, Illinois, 1913-19.

Mathilda Osborn Lichner.................Instructor in Clinical Gynecology
B.S., Temple University, 1902; M.D.. Woman's Medical College, Penn., 1905.
Clinician, Woman's Hospital of Philadelphia, 1906-13; Assistant in Gynecology, Illinois, 1914-19.

Clarence James McMullen.........................Instructor in Medicine
M.D., Illinois, 1912.
Assistant in Medicine, Illinois, 1918-19; Attending Physician West Side Hospital, 1920—.

Leo Anthony Juhnke......................Instructor in Clinical Gynecology
M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14; Instructor in Gynecology, 1915-16; Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-18; Attending Physician, Home of Good Shepherd; Assistant in Gynecology, Illinois, 1918-19.

Edwin Christian Schmitt...................Instructor in Operative Surgery
A.B., Kansas, 1912, A.M., 1913; M.D., Rush, 1917.
Fellow in Zoology, Kansas, 1912; Fellow and Assistant in Anatomy, Chicago, 1913-15.
Assistant in Operative Surgery, Illinois, 1918-19; Assistant Radiologist, Washington Boulevard Hospital, 1919—.

ASSISTANTS

Goldye Hoffman.................................*Assistant in Gynecology*
M.D., Illinois, 1915.
Assistant in Gynecology, Illinois, 1917-18.

James Tobias Groot.................................*Assistant in Physiology*

Lyndon Harris.................................*Assistant in Clinical Surgery*
M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

Ladislav Stolfa.................................*Clinical Assistant in Pediatrics*
M.D., Illinois. 1916.
Assistant in Therapeutics, Illinois, 1916-17.

Allan Joseph Hruby.................................*Assistant in Medicine*
M.D., Illinois, 1913.
Instructor in Surgery, Northwestern, 1915-16; Attending Dispensary Physician Municipal T. B. Sanitarium, 1917-18; Superintendent, Municipal T. B. Sanitarium, 1918—.

Willson Bridges Moody.................................*Assistant in Operative Surgery*
A.B., Williams College, 1914; M.D., Rush, 1918.

Clara Grace Gottschalk.................................*Assistant in Clinical Surgery*
M.D., Illinois, 1915.

Craig Dunn Butler.................................*Assistant in Pediatrics*
B.S., Earlham, 1914. M.D., Rush, 1919.

Joseph K. Calvin.................................*Assistant in Pediatrics*
S.B., Chicago, 1916; M.D., Rush, 1918.
County Quiz Instructor, Rush, 1919.

William Turner Rogers.................................*Assistant in Medicine*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Arthur Ray Metz.................................*Assistant in Operative Surgery*
A.B., Indiana, 1909; M.D., Rush, 1911.
Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—.

Hallard Beard.................................*Asisstant in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

Craig Dunn Butler.................................*Assistant in Pediatrics*
B.S., Earlham, 1914; M.D., Rush, 1916.

Hubert Prather Saunders.................................*Assistant in Physiology*
A.B., Missouri, 1917; M.D., Illinois, 1919.

Halbert Andrew Haynes.................................*Assistant in Ophthalmology*
B.S., Valparaiso, 1896; M.D., Louisville, 1898.

Charles Edward Watts.................................*Assistant in Operative Surgery*
B.S., Idaho, 1913; M.D., Rush, 1918.
Fellow in Pathology, Chicago, 1915-17; House Physician, Washington Boulevard Hospital, 1919—.

James Joseph Leach.................................*Assistant in Pediatrics*
M.D., Illinois, 1914.

Leo R. Redner.................................*Assistant in Ophthalmology*
M.D., Rush, 1900.

James Hubert Skiles.................................*Asistsant in Operative Surgery*
A.B., Michigan, 1909; M.D., Rush, 1910.
Assistant in Surgery, Rush, 1912-14; Instructor in Obstetrics, Illinois, 1916-18.

Isadore Michael Levin.................................*Assistant in Pediatrics*
S.A., Chicago, 1914; S.B., Chicago, 1916; M.D., Rush, 1919.

Robert Rowlaine Mustell.................................*Assistant in Operative Surgery*
B.S., Illinois, 1917; B.A., Washington State College, 1919; M.D., Illinois, 1919.

Benjamin Goldberg.................................*Assistant in Medicine*
M.D., Illinois, 1916.
Assistant in Medicine, Illinois, 1917—; Physician in Charge, Racine Avenue Tuberculosis Dispensary, 1918; Attending Physician, Municipal Tuberculosis Sanitarium, 1919.

Elmer William Mosley.................................*Assistant in Medicine*
Ph.G., Valparaiso, 1903; M.D., Illinois, 1911.

Robert Garfield Savage...............................*Assistant in Medicine*
M.D., Illinois, 1905.

Jesse Louis Bollman..................*Assistant in Physiological Chemistry*
A.B., Illinois, 1917; M.S., Michigan, 1918.
Assistant, Bacteriology, Michigan, 1917-18; Instructor, Bacteriology, Michigan, 1918.

Walker Ellsworth McCorkle.........................*Assistant in Medicine*
Ph.B., Ohio, 1911; M.S., Ohio, 1912; M.D., Illinois, 1919.
Assistant in Zoology and Comparative Anatomy, Ohio, 1910-11; Instructor in Zoology and Comparative Anatomy, Ohio, 1911-12; Assistant Professor in Zoology and Comparative Anatomy, Ohio, 1912-13; Instructor in Anatomy, Cornell, 1913-15; Instructor in Anatomy, Albany Medical College, 1915-17.

Ward Clare Alden...............................*Assistant in Ophthalmology*
M.D., Chicago College of Medicine and Surgery, 1917.
United States Naval Hospital, Great Lakes, 1918-19.

Warren E. Tupper...................................*Assistant in Physiology*
B.S., Wisconsin, 1917; M.D., Rush, 1919.

Julian Barnett Marks..............................*Assistant in Dermatology*
M.D., Illinois, 1918.

Leo Jacob Jacobson...................................*Assistant in Medicine*
M.D., Illinois, 1916.
Clinician, Chicago Tuberculosis Institute, 1919.

William Alexander Malcolm.........................*Assistant in Medicine*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Samuel Abraham Durr...............................*Assistant in Obstetrics*
B.S., Northwestern, 1918; M.D., Northwestern, 1918.

James Stevenson.....................................*Assistant in Medicine*
M.D., Illinois, 1917.

Herbert Chapman Carothers........................*Assistant in Pediatrics*
M.D., Illinois, 1917.

Sidney Alexander Portis............................*Assistant in Medicine*
S.B., Chicago, 1916; M.D., Chicago, 1919.

George William Haan, Jr............................*Assistant in Obstetrics*
A.B., Illinois, 1915; M.D., Northwestern, 1918

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

STAFF

SURGERY:

Charles Davison, A.M., M.D.	*Attending Surgeon*
Frank Donald Moore, M.D.	*Assistant Attending Surgeon*
Max Meyerovitz, M.D.	*Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D.	*Assistant Attending Surgeon*
Henry Lester Baker, M.D.	*Assistant Attending Surgeon*

MEDICINE:

Edward Louis Heintz, Ph.G., M.D.	*Attending Physician*
Ralph Sherman Michel, M.D.	*Attending Physician*
George John Lorch, Ph.G., M.D.	*Assistant Attending Physician*
Frank Chauvet, M.D.	*Assistant Attending Physician*
John Milton Krasa, M.D.	*Assistant Attending Physician*

OBSTETRICS:

Charles Sumner Bacon, Ph.B., M.D.	*Attending Obstetrician*
Otto Herman Rohrlack, Ph.G., M.D.	*Assistant Attending Obstetrician*
Annie Barron-Harrison, M.D.	*Assistant Attending Obstetrician*

GENITO-URINARY SURGERY:

Walter Caron, Ph.G., M.D.	*Attending Genito-Urinary Surgeon and Dermatologist*
Harry Culver, M.S., M.D.	*Attending Urologist*
William Henry Bradley, M.D.	*Assistant Genito-Urinary Surgeon and Dermatologist*

PEDIATRICS:

Henry Eugene Irish, M.D.	*Attending Pediatrician*
Vandy Frank Masilko, Ph.G., M.D.	*Assistant Attending Pediatrician*

DISEASES OF THE EYE:

William Elliot Gamble, B.S., M.D.	*Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D.	*Attending Ophthalmologist*
William Butler West, M.D.	*Assistant Attending Ophthalmologist*
Andy Carr, A.B., M.D.	*Assistant Attending Ophthalmologist*

DISEASES OF THE NOSE AND THROAT:

Karl Albert Meyer, M.D.	*Attending Laryngologist and Rhinologist*

ORTHOPEDIC SURGERY:

John Perley Sprague, A.B., M.D.	*Attending Orthopedic Surgeon*

GRANT HOSPITAL OF CHICAGO

CONSULTING STAFF

Surgery—L. L. McArthur, M.D. Jacob Frank, M.D.
Internal Medicine—O. L. Schmidt, M.D.; Gustave Schirmer, M.D.
Pathology—F. Robert Zeit, M.D.
Nose and Throat—Frederick Menge, M.D.

ATTENDING STAFF

Surgery—A. G. Zimmerman, M.D.; Sylvan Coombs, M.D.; F. H. Pirnat, M.D.; H. Edward Sauer, M.D.
Medicine—W. S. Orth, M.D.; Henry Hartung, M.D.; John Siebel, Jr., M.D.; Alexander Stevenson, M.D.
Gynecology—Ernest Saurenhaus, M.D.; T. J. Doederlein, M.D.
Obstetrics—C. S. Bacon, M.D.; W. A. Stuhr, M.D.; Julius E. Lackner, M.D.
Eye—Ludwig Abele, M.D.; Theodore Wild, M.D.; O. H. Kraft, M.D.
Ear, Nose, Throat—J. Holinger, M.D.; G. T. Von Colditz, M.D.
Nervous Diseases—Peter Bassoe, M.D.
Urology and Dermatology—L. E. Schmidt, M.D.; H. A. Kraus, M.D.
Pediatrics—Ernst Lackner, M.D.; Geo. Edward Baxter, M.D.
Anesthetics—J. E. H. Atkiesson, M.D.
Roentgenology—M. J. Hubeny, M.D.

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL INFORMATION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide and a three-story brick annex. It contains three lecture rooms, a clinical amphitheater, an assembly hall seating seven hundred, a number of smaller recitation rooms, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for both routine instruction and advanced work, with special research facilities. The more important general features of the equipment include: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a Roentgen laboratory, in which facilities are provided for the X-ray work of the entire school, especially of the dispensary, where it is used for diagnostic and therapeutic purposes; a photographic outfit, equipped for various kinds of work, including micro-photography; a work shop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

Dispensary

The Dispensary occupies the first floor and part of the second floor of the College Building. It is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. Twenty-five thousand and forty-four treatments were given in 1919-20. Six thousand three hundred and fifty-two new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

The Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year, it has cared for 69,326 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

The University Hospital is located at the corner of Congress and Lincoln streets, opposite the College. The Directors of the hospital are members of the faculty of the College. Beside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1919-20.

There is no charge for admission to these clinics.

The selection of internes for this hospital is limited to graduates of the College.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, corner of Lincoln and Cleveland avenues, contains 200 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

The Michael Reese Hospital, corner of 29th street and Groveland avenue, is composed of three separate buildings: the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for Children, with 125 beds, and the Nelson Morris Institute for Medical Research.

The St. Luke's Hospital, 1437 Michigan avenue, has 320 beds, of which one-third may be used for clinical purposes.

The Illinois Charitable Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear including those of the nose and throat. It has accommodations for nearly two hundred inpatients. The ambulatory service is the largest in the west of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over thirty thousand. The state has appropriated $505,000 for a new building and this will be erected in the near future. The enormous material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose and throat, is accessible for study to the students of the school.

The St. Mary's of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

The St. Joseph's Hospital, 2100 Burling street, capacity 240.

The Grant Hospital, 549-559 Grant place, has a capacity of 160 beds, including 35 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

LIBRARY FACILITIES

The Quine library of the University of Illinois Colleges of Medicine and Dentistry is housed on the second floor of the medical building. It includes 21,700 bound volumes and a number of reprints and separates. The pharmacy collection occupies a part of the main floor of the School of Pharmacy building. It contains 3,730 volumes, and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections, many of the departments of the three schools are supplied with working libraries.

The John Crerar Library, containing files of journals, monographs, separates and standard texts, covering practically the entire field of medicine, is easily accessible from the College.

The collections of the library include the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy.

ANNOUNCEMENT OF NEW HOSPITAL FACILITIES

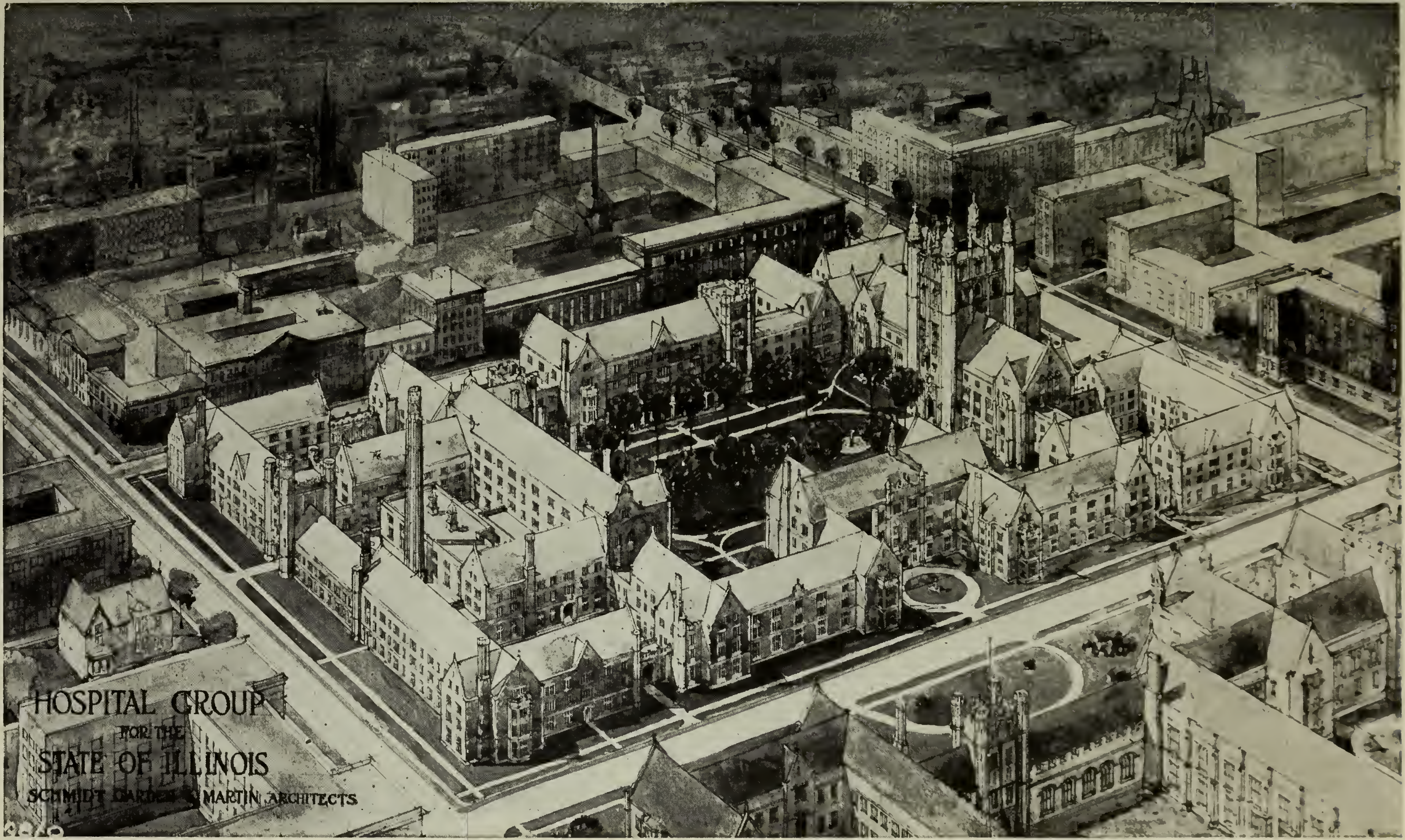
The last General Assembly appropriated $300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics and gynecology, but it will not provide for the teaching and investigation which must be developed in connection with the specialties such as crippled and deformed children, the demented and insane, venereal diseases, tuberculosis, cancer, diseases of the eye, ear, nose and throat, etc.

The purposes of the Clinical Building are clearly set forth by President James in the following words: "This clinical building will not be a hospital in an ordinary sense at all. It will not undertake to treat the general run of hospital patients. Its facilities will be reserved for 'cases,' that is, for patients whose cases are of interest from the standpoint of medical science and art. Provision will be made for keeping chronic cases of interest and special value for instruction and scientific purposes for a length of time determined solely by the scientific value of the case."

The last General Assembly also appropriated about $1,000,000 to the State Department of Public Welfare for the construction of a group of Educational Hospitals in the city of Chicago. This group to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and a Surgical (Orthopedic) Institute for Children. It was imperative that in addition to these special hospitals which would provide for the study of the causes of insanity, the treatment of diseases of the eye, ear, nose and throat and the surgical treatment of deformed and crippled children, there should be some provision for the study and treatment of many other diseases, such as those of the blood, lymphatics and ductless glands, together with the diseases of the heart, lungs, stomach and intestines, kidney and bladder. There should be some provision for those who need general surgical aid. There should be also some place for the treatment of women who are afflicted with the many diseases peculiar to the sex. Another great need of the Department of Public Welfare was well equipped laboratories and extensive libraries. It experienced great difficulty in obtaining high class medical men owing to the lack of these facilities.

It was obvious that the Department of Public Welfare needed just such an Institution as that proposed in the Clinical Building which the University had in contemplation. The University, on the other hand, needed the special hospitals which the Department of Public Welfare was about to erect; moreover, the Department of Public Welfare could provide a site for the Clinical Building which was much superior to that owned by the University.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for


HOSPITAL GROUP
FOR THE
STATE OF ILLINOIS
SCHMIDT GARDEN & MARTIN ARCHITECTS

GROUP PLAN OF NEW CLINICAL BUILDINGS

the prevention as well as the cure of disease; to help practicing physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The greatest object of all is to determine the cause of sickness and on the basis of this knowledge institute preventive measures.

By this plan of co-operation, the College of Medicine will present clinical advantages, the value of which cannot be overestimated. The detailed scheme of operation will be outlined in a forthcoming issue of the catalogue.

ENTRANCE REQUIREMENTS FOR 1920-21

For admission to the College of Medicine of the University of Illinois in September, 1920, candidates must present four year's work in an accredited high school plus two years' work in a recognized college, or the full equivalent, including prescribed subjects, as follows:

THE HIGH-SCHOOL REQUIREMENT

1. Four years' work in an accredited high school or the equivalent, comprising not less than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units[*]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

THE COLLEGIATE REQUIREMENT

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours and including prescribed subjects as follows:

Chemistry	12 semester hours[†]
Physics (see Note 1)	8 semester hours
Biology (see Note 2)	8 semester hours
English (see Note 3)	6 semester hours
German, French, Spanish, or Italian (see Note 4)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see Note 5)	6 semester hours
Free electives (see Note 5)	14 semester hours
Total	60 semester hours

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[*] By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall be not less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[†] By a *semester hour* of college credit is meant the work of a class meeting once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

NOTES

Note 1: Physics.—At least 2 of these 8 semester hours must consist of laboratory work.

Note 2: Biology.—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 3: English.—The usual introductory college course of 6 semester hours in English composition and literature is intended.

Note 4: German, French, Spanish, or Italian.—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two years' work (at least 12 hours) in college if the language was not begun in the high school, or the equivalent.

Note 5: Electives.—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

NO CONDITIONS PERMITTED

No conditions are permitted. Candidates for admission who will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions. The Secretary of the College of Medicine will be glad to advise candidates as to the opportunities to be offered at various universities during the summer for making up such deficiencies.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.
2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago five times each year, about March 15, June 15, August 25, September 25, and December 15.
3. In the examinations conducted in June of each year by the College Entrance Examination Board.
4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADMISSION OF SPECIAL STUDENTS

The general rule of the University with reference to special students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree,* may, on approval of the dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine of the University of Illinois, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. He must further be able to comply with the requirements for such promotion in the University of Illinois. (See page 00.) Moreover, his record must be of such a character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curriculums must be satisfactorily adjusted during the first year of the student's attendance.

REGISTRATION

Students are required to register in the office of the Secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Registration closes ten days after the opening of each term.

COLLEGIATE YEAR

The collegiate year of 1920-1921 will consist of a session of 36 weeks, beginning September 27, 1920, and ending June 15, 1921, at which time degrees will be conferred. The year is divided into two semesters of eighteen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and attendance upon four full sessions is required for graduation.

FEES AND EXPENSES

*Fees—Schedule effective September 1, 1920.

	First Year	Second Year	Third Year	Fourth Year
Matriculation†	$ 10.00	.....	.....	.....
Registration	5.00	$ 5.00	$ 5.00	$ 5.00
Tuition	120.00	120.00	140.00	155.00
Laboratory	35.00	35.00	5.00	.....
Diploma	.....	......	.....	10.00
	$165.00	$160.00	$150.00	$170.00

ADDITIONAL FEES

Duplicate diploma, $10.00. **Original transcript of record, $1.00; for each carbon copy of same, 50c.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance. The entire matriculation fee and laboratory fee are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

Fees charged special students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to have an individual microscope. Provision has been made whereby the student can purchase a microscope at reduced rates and pay for the same in annual installments. If a student be unable to purchase a microscope, the school will rent him one for his exclusive use at the rate of $2.50 to $4.00 per term, depending upon the equipment of the instrument.

*The term "year" in this schedule of fees refers to a period of instruction covering two terms of eighteen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

†Not required in the case of students who have previously matriculated in any other college of the University of Illinois.

**Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbons supplied with the original transcript or for second request for original.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for four scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1919-1920, they were granted to the following students:

Edward P. Gramer,
Ralph W. Hoffman,
John W. Johnson,
Isaac Karlin,
Benjamin Levin,
Frank Richmond,
Frank K. Williams.

METHODIST EPISCOPAL SCHOLARSHIP

The scholarship given by the Northwestern branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church was awarded to Elizabeth Smith.

COUNTY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1905 and embodied in the General School Law of 1909 provides that one scholarship may be awarded annually to each county of the State. The holder thereof must be at least sixteen years of age, and a resident of the county to which he is accredited. No student who has attended the University of Illinois is eligible for a scholarship. The holder of a scholarship is relieved of payment of the matriculation fee ($10, payable once, on entrance) the registration fee of five dollars and the tuition fee for four years.

A competitive examination, under the direction of the President of the University, and on such branches of study as the President may select, is held on the first Saturday in June of each year, at the county court house in each county by the County Superintendent of Schools. Questions for the examinations are furnished in advance to the County Superintendents.

The successful candidates in the examinations must then meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class, and must register the following September.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by assigning to that county from some other county the student found to possess the next highest qualifications.

A student holding a scholarship who shall make it appear to the satisfaction of the President of the University that he requires leave of absence for the purpose of earning funds to defray his expenses while in attendance, may, in the discretion of the President, be granted such leave of absence, and may be allowed an extension of his scholarship for not more than two years (making not more than six years in all from the beginning of the scholarship). Such extension will not be granted unless the student has been in attendance at the University for at least one full semester, nor unless the student's average grade during the period of his attendance has been at least 75, exclusive of grades in military science and physical education.

GENERAL ASSEMBLY SCHOLARSHIPS

The same act by which the county scholarships described above were established also provides that each member of the General Assembly may nominate annually one eligible person from his district for a scholarship in the University, granting the same privileges as the county scholarships.

A member of the General Assembly who wishes to nominate a candidate for a scholarship should file the name and address of his nominee as early in the spring as practicable and not later than June 1, with the President of the University and also with the County Superintendent of the county in which the nominee resides.

The nominee, if a graduate of a school accredited by the University, shall be admitted to the University on the same conditions as to educational qualifications as are graduates of such accredited high schools not so appointed to scholarships, and if any such candidate is not a graduate of a School accredited by the University, he shall present himself for examination—the same that is given to competitors for the county scholarships on the first Saturday in June, under the County Superintendent. The nominee must further (1) meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class; and (2) to register in the University the following September.

If a nominee fails to make a passing grade (70) in the scholarship examination he may not receive the scholarship. In this case notice will be sent to the member of the General Assembly who made the nomination, who is then entitled to nominate a second candidate, before the first registration day in September. This second candidate is subject to all the requirements stated above; the scholarship examination will be given him at the University on the Wednesday preceding the fall registration days (in 1919, September 17).

A General Assembly scholarship may be extended under the same conditions as a county scholarship.

MILITARY SCHOLARSHIPS

A law passed by the General Assembly of the state of Illinois at the session of 1919, provides for the establishment of military scholarships.

Qualifications of Candidates

To be eligible for appointment to a Military Scholarship, a candidate must establish the following facts:

(1) That he served in the army, the navy, or the marine corps of the United States, exclusive of the Students' Army Training Corps, during the World War.

(2) That he was honorably discharged from such service.

(3) That he was not convicted by court-martial of disobedience of orders, consisting of refusal to perform military service "on the ground of alleged religious or conscientious objections against war."

(4) That at the time of entering upon his service he was a resident of the State or Illinois or a student in the University of Illinois.

(5) That he possesses "all necessary entrance requirements," i. e., that he can meet in full the requirements set forth in the Annual Register of the University for matriculation in the college or curriculum of the University which he proposes to enter. These requirements include graduation from an accredited high school, with fifteen units in acceptable subjects, including certain prescribed subjects. A candidate who is not a graduate of an accredited high school may meet the requirements by passing entrance examinations.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental, and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth; and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of any one who has shown distinguished merit in his work.

CORRESPONDENCE

Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS
Congress and Honore Streets, Chicago.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who nan afford the time for it, and who are of the average age of graduations from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.
2. He must have paid all indebtedness to the college.
3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois.

In order to be eligible for an interneship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from that Board a "limited license," authorizing him "to practice medicine or surgery in a hospital approved by the Illinois State Board of Health and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time credit for any year of less than thirty-two weeks of actual work.

The last year of work of the four-year curriculum must have been taken in the University of Illinois, College of Medicine.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the hospital year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve-months hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medical course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practice of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

GENERAL PLAN OF INSTRUCTION

The course of study extends over five years, including the interne year.

During the first two years the work is, in the main, confined to the sciences fundamental to practice medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued, and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months interne service in a hospital approved by the faculty of the college.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

Electives

The student is required to select from a number of courses offered for this purpose, two hours of work in the third year and six hours of work in the fourth year.

Optional Work

Optional courses supplementary to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after completing the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Examinations for the removal of conditions in the work of the first four years are held during the week preceding the opening of the next collegiate year. Only one examination for the removal of a condition in a given subject will be permitted and then only on presentation of evidence of actual additional work done in the subject under satisfactory instruction. Conditions not removed before the beginning of the next school year become failures.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean of the College of Medicine.

Grades

The passing grade in each subject is 70. A grade from 60 to 70 constitutes a "condition." A grade below 60 constitutes a "failure." A "failure" can be removed only by repetition of the subject in course in an approved institution.

Promotions

Failures to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failures may be carried from the fourth (Senior) year into the fifth (Interne) year.

Failures must be made up in course, and the number of hours of such failures shall be deducted from the total number of hours of the regular work for the period.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student who in any semester receives failures in one-half the total number of hours in his course, or the equivalent in conditions, or in failures and conditions combined, shall be refused further registration in the College of Medicine.

Note:—One and one-half hours of condition are counted as the equivalent of one hour of failure.

GRADES FOR DEGREE OF BACHELOR OF SCIENCE

No student having grades below 75 in subjects aggregating twenty-five per cent of his entire work in the junior college will be recommended for the degree of Bachelor of Science.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

DESCRIPTION OF COURSE IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

Albert Chauncey Eycleshymer, B.S., M.D., Ph.D., *Professor and Head of the Department*

Roy Lee Moodie, A.B., Ph.D., *Assistant Professor*
Arthur Reuben Cooper, A.B., A.M., Ph.D., *Associate*
John W. Nuzum, B.S., M.D., *Instructor*
Oscar Eugene Nadeau, B.S., M.D., *Instructor.*
Bertha Meserve Shafer, A.B., M.D., *Instructor*
Nora Ellen Frederick, A.B., *Instructor*
Thomas Smith Jones, B.F.A., *Artist*
Genevieve Louise Meakin, *Artist.*
Louis N. Boelio, *Technician*
Frank J. Vlcek, *Technician*
Adolph Hammer, *Director of Plastic Studio*

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

Required Courses—First Year

22. Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation,

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I* (*first half*).
Assistant Professor Moodie and assistants

23. Cytology, Histology, and Microscopic Anatomy.—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I*.
Professor Eycleshymer, Dr. Cooper and assistants

26. Neurology.—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I* (*second half*).
Assistant Professor Moodie and assistants

27-28, Regional and Systematic Anatomy.—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures, recitations, and laboratory; 3 three-hour periods. *II*. Dr. Nuzum and assistants

Required Courses—Second Year

31. Topographical Anatomy.—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I*.
Assistant Professor Moodie and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

Optional Courses

50. Microscopical Technic.—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting.
Mr. Boelio

53. Medical Illustrating.—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. Jones

56. Embryology and Histogenesis.—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor Eycleshymer

59. Neurology.—The relation of the nervous system to body growth.
Assistant Professor Moodie

Courses Preparatory to Specialization

(Special Fee)

62. a. The Eye.
b. The Ear.
c. Mouth, Nose, and Throat.
d. The Thorax and Abdomen.
e. The Genito-Urinary System.
f. Pelvic Anatomy.
g. The Extremities, especially the joints and their mechanism.
h. The Brain and Spinal Cord.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. Histogenesis.—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One unit.*

Professor Eycleshymer, Assistant Professor Moodie

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor Eycleshymer, Assistant Professor Moodie

DERMATOLOGY

Francis Eugene Senear, B.S., M.D., *Associate and Acting Head of the Department.*

Julian Barnett Marks, M.D., *Assistant*

Required Courses—Fourth Year

1. Practise.—Illustrated. 2 *I.* Dr. Senear

5. Clinic—College. 1. *I.* Dr. Senear

9-10. Clinic—College Dispensary. In sections. 3 one-hour periods *(three weeks). II.* Dr. Senear and Dr. Marks

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph C. Beck, M.D., *Associate Professor*
Edward Francis Garraghan, A.B., A.M., M.D., *Associate*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
William Clyde Comee, M.D., *Instructor*
Charles Francis Yerger, M.D., *Instructor*
Hiram Jason Smith, M.D., *Instructor*

Departmental Statement

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies by Bezold's large models of the ear, macerated specimens of the nose, throat and ear; by lantern slides and stereoptic demonstrations, as well as by actual examination of individuals in the out patient department and in the hospital.

Required Courses—Third Year

3. **Practise.**—The surgical anatomy, physiology, and pathology of the ear, nose and throat. 1. *I.*

Professor Pierce and Associate Professor Beck

7. **Clinic.**—Illinois Eye and Ear Infirmary. Diseases of the Ear, Nose and Throat. In sections; 2. *I.* (*eight weeks*).

11. **Practise.**—The diseases of the throat and nose. 1. *I.*

17. **Clinical Conference.**—Cook County Hospital. Training in the use of instruments for the examination of the ear, nose and throat. In sections; *I.* (*four weeks*). Dr. Holinger

19-20. **Clinic.**—College Dispensary. In sections; 3 (*three weeks*). *II.*

Dr. Garraghan, Dr. Theobald, Dr. Yerger, Dr. Comee, Dr. Smith

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor of Medicine and Head of the Department*

DIVISION OF INTERNAL MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor of Medicine*
Frederick Tice, M.D., *Professor of Medicine*
Maurice Louis Goodkind, M.D., *Professor of Medicine*
Joseph McIntyre Patton, M.D., *Professor of Medicine*
Frank Smithies, M.D., *Associate Professor of Medicine*

Edward Louis Heintz, Ph.G., M.D., *Associate Professor of Medicine and Clinical Medicine*

Maurice Lewison, M.D., *Associate Professor of Physical Diagnosis*

Arthur Richard Elliott, M.D., C.M., *Associate Professor of Medicine*

John Weatherson, C.E., M.D., *Associate Professor of Medicine*

Ernest Sisson Moore, Ph.B., M.D., *Assistant Professor of Clinical Medicine*

Frank Chauvet, M.D., *Assistant Professor of Physical Diagnosis*

George John Lorch, Ph.G., M.D., *Associate in Medicine*

John Charles Mathew Krasa, M.D., *Associate in Medicine*

Laurence Hampson Mayers, M.A., M.D., *Associate in Medicine*

Walter Bradford Metcalf, M.D., *Associate in Clinical Medicine*

Fred Raymond Crooks, M.D., *Associate in Medicine*

Franklin S. Wilson, Ph.G., M.D., *Associate in Clinical Medicine*

Stephen Roman Pietrowicz, A.B., M.D., *Associate in Medicine*

Robert Ludwig Furby, M.D., *Instructor in Medicine*

Clarence James McMullen, M.D., *Instructor in Medicine*

William Joseph Quigley, B.S., M.D., *Instructor in Medicine*

Frank Joseph Jirka, M.D., *Instructor in Clinical Medicine*

James Craig Small, B.S., M.D., *Instructor in Medicine*

Albert Vanderkloot, M.D., *Instructor in Medicine*

Clyde F. Karshner, A.B., M.D., *Instructor in Medicine*

Allen Joseph Hruby, M.D., *Assistant in Medicine*

Benjamin Goldberg, M.D., *Assistant in Medicine*

Leo Jacob Jacobson, M.D., *Assistant in Medicine*

James Stevenson, M.D., *Assistant in Medicine*

Robert G. Savage, M.D., *Assistant in Medicine*

Elmer W. Mosley, M.D., *Assistant in Medicine*

Sidney A. Portis, S.B., M.D., *Assistant in Medicine*

William T. Rogers, M.D., B.S., *Assistant in Medicine*

Walker Ellsworth McCorkle, Ph.B., M.S., M.D., *Assistant in Medicine*

William Alexander Malcolm, B.S., M.D., *Assistant in Medicine*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis, on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine, but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients, and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical, and is given not only in the College, but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties.

REQUIRED COURSE—SECOND YEAR

2a-2b. Physical Diagnosis.—(a) Lectures; 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor LEWISON, Assistant Professor CHAUVET

REQUIRED COURSES—THIRD YEAR

9. Practise.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.*
Associate Professor HEINTZ, Dr. LORCH, Dr. CROOKS, Dr. FURBY, Dr. KRASA, Dr. ROGERS, Dr. STEVENSON, Dr. SMALL

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor HEINTZ

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor LEWISON

23. Physical Diagnosis Clinics.—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.*
Associate Professor LEWISON, Assistant Professor CHAUVET

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections, 3 two-hour periods (*three weeks*). *II.*
Assistant Professor MOORE, Dr. METCALF, Dr. WILSON, Dr. MOSLEY, Dr. MAYERS, Dr. JIRKA

REQUIRED COURSES—FOURTH YEAR

31-32. Practise.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences; 4, *I.;* 2, *I.*
Lectures, Professor WILLIAMSON, Professor TICE
Conferences and recitations, Associate Professor WEATHERSON

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor WILLIAMSON

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor TICE

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor PATTON

41. Clinic.—St. Luke's Hospital. 1 two-hour period.
Associate Professor ELLIOTT

47. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Associate Professor SMITHIES

49-51. Seminar.—Work in cooperation with the departments of surgery and obstetrics. The student receives 48 hours credit. 16 in each department.

although the work is done only in one department. The entire class is divided into three groups, and each of these again into five sub-groups. During the first semester, the groups meet informally, and abstracts are prepared and submitted for criticism. During the second semester, each group is assigned one hour in which to present its work before the entire class.

Assistant Professor Moore, Dr. Mayers

Optional Courses—Third Year

1-X. Tuberculosis.

Assistant Professor Chauvet

2-X. Tuberculosis of the Lymphatic System.

Dr. Metcalf

Optional Courses—Fourth Year

3-X. Diseases of the Blood. (*Eight weeks.*)

Assistant Professor Moore

4-X. Tuberculosis. (*Eight weeks.*)

Assistant Professor Moore

5-X. Diseases of the Kidneys and Metabolism.

Associate Professor Elliott

6-X. Diseases of Pancreas and Intestines.

Associate Professor Smithies

DIVISION OF PEDIATRICS

Julius Hayes Hess, M.D., *Professor of Pediatrics and Head of the Division*
Henry Eugene Irish, M.D., *Assistant Professor of Pediatrics*
Maurice Lamm Blatt, M.D., *Assistant Professor of Pediatrics*
Lester Edward Bower, A.B., M.D., *Associate in Pediatrics*
Solomon Maxwell Goldberger, M.D., *Instructor in Pediatrics*
Ladislav Stolfa, M.D., *Assistant in Pediatrics*
James Joseph Leach, M.D., *Assistant in Pediatrics*
Isador Michael Levin, S.A., S.B., M.D., *Assistant in Pediatrics*
Craig D. Butler, B.S., M.D., *Assistant in Pediatrics*
Joseph K. Calvin, S.B., M.D., *Assistant in Pediatrics*
Herbert Chapman Carothers, M.D., *Assistant in Pediatrics*

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible, the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. **Practise and Clinic.**—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences; 1. *I.* Professor Hess

4. **Practise.**—Recitations. 1. *I.*

Assistant Professor Irish and assistants

7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups; 2 (*four weeks*). *I.* Dr. Bower

9. Clinic.—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor Blatt

Required Courses—Fourth Year

11. Clinic.—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor Irish

15-16. Clinic.—Dispensary. In sections; two-hour periods (*eighteen periods*). *I.*

Dispensary Staff

19. Clinic.—Cook County Hospital. In groups. One two-hour period. *I.* Professor Hess

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. Douglas Singer, M.D., M.R.C.P., *Professor of Psychiatry and Head of the Divisions*

Charles F. Read, B.S., M.D., *Assistant Professor of Neurology and Psychiatry*

Edward Franklin Leonard, M.D., *Assistant Professor of Neurology*

Ralph Chess Purnell Truitt, M.D., *Assistant Professor of Neurology and Psychiatry*

Samuel Nye Clark, M.D., *Associate in Neurology and Psychiatry*

3-4. Practice and Clinic.—Dispensary and Chicago State Hospital. Lectures, demonstrations, examination and diagnosis; in sections; 6 two-hour periods (*seven and one-half weeks*) *I,* and 1 two-hour period, *I.*

Professor Singer, Assistant Professor Read, Assistant Professor Leonard, Assistant Professor Truitt, Dr. Clark, Dr. Hulbert

DIVISION OF ROENTGENOLOGY

Adolph Hartung, M.D., *Assistant Professor of Roentgenology*

Honoré Dieudonné Valin, M.D., *Technician in Roentgenology and Dispensary Laboratory*

Required Course—Fourth Year

4. Practise and Demonstration.—College. The use of the X-ray in medicine and surgery.

To small sections: *I* (*four weeks*).

DIVISION OF HISTORY OF MEDICINE

Bernard John Cigrand, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

51. Lectures; 1. *I.*

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., *Professor of Obstetrics and Clinical Obstetrics and Head of the Department*

Henry Foster Lewis, A.B., M.D., *Professor of Obstetrics and Clinical Obstetrics*

Rachelle S. Yarros, M.D., *Associate Professor of Obstetrics and Clinical Obstetrics*

Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor of Obstetrics and Clinical Obstetrics*

Walter Charles Hammond, M.D., *Associate in Obstetrics*

Frank Lee Stone, M.D., *Associate in Obstetrics*

Annie Esther Barron-Harrison, M.D., *Instructor in Obstetrics*

Charles Newberger, B.S., M.D., *Instructor in Obstetrics*

Edward Morton Heacock, M.D., *Instructor in Obstetrics*

Julius Ernest Lackner, B.S., M.D., *Instructor in Obstetrics*

Samuel Abraham Durr, B.S., M.D., *Assistant in Obstetrics*

George William Haan, Jr., A.B., M.D., *Assistant in Obstetrics*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital, the College Dispensary and the Chicago Lying-In Hospital and Dispensary. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups in the College Dispensary and in the University Hospital. Students are required also to assist in the delivery of twelve parturients. Reports of these cases are kept by students and form the basis of conference discussions. An amphitheater clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary. This Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to care for the patient during her labor. A student and nurse visit her daily for ten days afterward. The fee for the course is $15.00. payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations; 3. *I.*

Associate Professor Yarros, Dr. Hammond, Dr. Newberger, Dr. Heacock, Dr. Durr.

Laboratory.—The anatomy and histology of the obstetrical passages and passenger. To small groups, 1 two-hour period (*four weeks*).

9. Clinic.—University Hospital. Instruction at bedside and in the out-patient department. The class is divided into groups. 6 (*two weeks*).

Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison

12. Clinic.—University Hospital. The class is divided into groups. The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16.—Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations; 3. *I.*

Professor Bacon, Associate Professor Rohrlack, Dr. Lackner

(a) Laboratory work in pathological anatomy and histology. To small groups, 1 two-hour period (*four weeks*). Dr. Stone

(b) Manikin work. To small groups; 1 two-hour period, (*eight weeks*). Professor Lewis

19. Clinic.—University Hospital. To small groups, 6 (*two weeks*). Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison

22. Clinic.—University Hospital. Demonstrations and operations, 1. *I.* Professor Bacon

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work is done only in one department. The class is divided into three groups, and each of these again into five subgroups. The purpose of this seminar is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism, and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor Bacon and assistants

Optional Courses—Third Year

1-X. Review Course in Obstetrics. 1. *I.*

Drs. Durr and Haan

Optional Courses—Fourth Year

1-X. Puerperal Infection. 1. *I.*

Associate Professor Rohrlack

2-X. The Relation of the Endocrine Glands to Gynecological Affections. *I.*

Associate Professor Rhorlack

3-X. Antepartum, Intrapartum, and Postpartum Hemorrhage. *I.*

Dr. Newberger

4-X. Review Course in Obstetrics. 1. *I.*

Dr. Bernstorf

DIVISION OF GYNECOLOGY

Channing W. Barrett, M.D., *Professor of Gynecology and Head of the Division*

John Michael Lang, M.D., *Assistant Professor of Clinical Gynecology*
Egan Walter Fischmann, M.D., *Assistant Professor of Gynecology*
Albert John Schoenberg, M.D., *Associate in Gynecology*
Frank Lee Stone, M.D., *Associate in Gynecology*
Leo Anthony Juhnke, M.D., *Instructor*
Mathilda Osborne Lichner, B.S., M.D., *Assistant*
Goldye Hoffman, M.D., *Assistant*

General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practise.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. 1. *II.*

Professor Barrett, Assistant Professor Fischmann, Dr. Stone

7. Clinic.—Cook County Hospital. One two-hour period. *I.*

Professor Barrett

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases, and write reports. In as far as the students' time permits the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). *II.*

Assistant Professor Lang, Assistant Professor Fischmann, Dr. Schoenberg, Dr. Stone, Dr. Juhnke, Dr. Lichner, Dr. Hoffman.

Optional Course—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology.

Dr. Stone

OPHTHALMOLOGY

Edward Vail Lapham Brown, B.S., M.D., *Professor of Clinical Ophthalmology and Head of the Department*

Andy M. Carr, A.B., M.D., *Instructor*

Hallard Beard, S.B., M.D., *Assistant in Ophthalmology*

Halbert Andrew Haynes, M.D., B.S., *Assistant in Ophthalmology*

Chester H. Lockwood, M.D., *Assistant in Ophthalmology*

Margaret Amerton Heath, A.B., *Refractionist*

Required Course—Fourth Year

3-4. Clinic and Practise.—Dispensary, clinic and laboratory course. In the clinical work emphasis is placed on standard methods of diagnosis. This includes 16 to 20 hours on the normal and pathological anatomy of the eye, 8 to 12 hours' practise in the use of the ophthalmoscope, perimeter, retinoscope, tonometer and test charts. The balance of the 48 required, and 16 optional hours are spent in the study of eye cases which the general practitioner most frequently encounters. 3. *I.*

Professor Brown, Dr. Carr, Miss Heath

PATHOLOGY AND BACTERIOLOGY

David John Davis, B.S., M.D.,, Ph.D., *Professor of Pathology and Bacteriology and Head of the Department*

Josiah John Moore, B.S., M.D., M.S., *Assistant Professor in Pathology and Bacteriology*

William F. Petersen, A.B., M.D., *Associate in Pathology*

Horry Matthew Jones, B.S., Ph.D., *Instructor in Pathology and Bacteriology*

Isador Pilot, B.S., M.D., *Instructor in Pathology*

Nellie Parkinson, *Technician*

Rosalie Pickoff, *Technician*

Required Course—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures; demonstrations; 3. *I*, laboratory; 2 three-hour periods. *I.*

Professor Davis, Assistant Professor Moore and assistants

Required Course—Second Year

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures; recitations; demonstrations; 4. *I;* laboratory, 4 two-hour periods. *I.*

Dr. Petersen *and assistants*

Required Course—Second Year

22. Clinical Pathology.—Microscopic, bacteriologic, and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 4. *I.*

Dr. Pilot and assistants

Required Courses—Third Year

26. Special Pathology and Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. Three two-hour periods. *I.*

Professor Davis, Assistant Professor Moore and assistants

Optional Courses

50. Advanced Work and Research in Bacteriology.—Limited to properly qualified students.

Professor Davis

51. Advanced Work in Special Diagnostic Laboratory Methods.—Limited to a few qualified students.

Assistant Professor Moore

55. Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I.* Dr. Petersen.

Courses for Graduates

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases; lower animals in the transmission of human diseases. *One unit.*

Professor Davis

105. Individual Research.—*One or two units.*

Professor Davis

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department*

Robert Wood Keeton, M.S., M.D., *Associate in Pharmacology and Therapeutics*

Emry G. Hyatt, B.S., M.D., *Instructor in Pharmacology*

Clyde Mason Snow, Ph.G., M.D., *Instructor in Materia Medica and Pharmacology*

Walter John Richard Heinekamp, B.S., *Assistant in Pharmacology*

Frederick August Rettig, B.S., *Student Assistant*

Harry Joseph Schleck, *Technician*

Required Courses—Second Year

8. Materia Medica and Pharmacy.—Prescription writing. Lectures, recitations; 3; *I*. Laboratory and demonstrations; 1 two-hour period; *I*.

Mr. Snow, Professor McGuigan and assistants

10. Pharmacology and Materia Medica.—Pharmacodynamics; chemistry of drugs. Lectures, recitations; 2. *I*. Laboratory; one three-hour period; Toxicology; *I*. Laboratory, 1 three-hour period.

Professor McGuigan, Dr. Keeton and assistants

12. Toxicology.—Lectures, recitations; 1. *I*. Laboratory, one three-hour period.

Professor McGuigan and assistants

Required Course—Third Year

20. General Therapeutics.—2. *I*. Professor McGuigan and Dr. Keeton

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research work.

Professor McGuigan and Dr. Keeton

Courses for Graduates

101. Advanced Pharmacodynamics.—Laboratory work.—*One unit.*

Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*

Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of the Department*

William Henry Welker, A.C., Ph.D., *Associate Professor of Physiological Chemistry*

Paul Gerhard Albrecht, Ph.D., *Associate in Physiological Chemistry*

James Montrose Duncan Olmsted, M.A. (Oxon.), Ph.D., *Associate in Physiology.*

Grover Tracy, A.B., *Instructor in Physiological Chemistry*

Oswin Ray Clutter, Ph.B., M.S., *Instructor in Physiological Chemistry*

James Tobias Groot, *Assistant in Physiology*

Hubbard Prather Saunders, A.B., M.D., *Assistant in Physiology*

Conrad George Appelle, M.D., *Assistant in Physiology*
Warren Earnest Tupper, B.S., *Assistant in Physiology*
Jesse Louis Bollman, A.B., M.S., *Assistant in Physiological Chemistry*
John H. Higgins, *Mechanician in Physiology*
Arthur Albert Lucas, *Technician in Physiology*
Cyril John Taugher, *Technician in Chemistry*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation, and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply valuable technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory itself; while the main library contains complete files of the more important journals of biochemistry.

Required Course—First Year

20. **Physiology.**—Blood and lymph, muscle and nerve, circulation, and respiration.

Lectures and recitations, 2; demonstration and laboratory, 2 three-hour periods. *I.*

Professor Dreyer, Dr. Olmsted and Assistants

21. **Organic Chemistry.**—Chemistry of the carbon compounds with special emphasis on the chemistry of fats, proteins, and carbohydrates. Lectures, demonstrations, conferences; 2, laboratory, 2 three-hour periods. *I.*

Dr. Albrecht, Mr. Bollman and assistants

24. **Physiological Chemistry and Toxicology.**—Lectures, demonstrations, conferences; 2; laboratory, 2 three-hour periods. *I.*

Associate Professor Welker, Dr. Albrecht, Mr. Bollman and assistants

Prerequisite: Course 21 or its equivalent.

Required Course—Second Year

25. **Physiology.**—Digestion; secretion; metabolism; the special senses: the central nervous system. Lectures; recitations; demonstrations; 5: laboratory; 1 four-hour period. *I.*

Professor Dreyer, Dr. Olmsted and assistants

Optional Courses

51. Advanced Laboratory Work.—Physiological demonstration and research; graphic methods. Professor Dreyer and Dr. Olmsted

53. Quantitative Urinary Analysis.—Lecture, one hour a week; laboratory, six hours a week. *I.*

Associate Professor Welker, Mr. Tracy

54. Sanitary Chemistry.—Water and sewage analysis; purification. Lecture, one hour a week; laboratory, six hours a week. *I.*

Associate Professor Welker

59. Food Analysis.—Composition, adulteration, preservation. Lecture, one hour a week; laboratory, six hours a week. *I.*

Mr. Tracy

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisite for optional courses: In physiology, courses 20 and 25, and in chemistry, courses 21 and 24.

Courses for Graduates

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*

Associate Professor Welker

107. Biochemical Research.—*One or two units.*

Associate Professor Welker

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

Herman Morris Adler, A.M., M.D., *Professor of Criminology and Head of the Department*

Elmer DeWitt Brothers, M.S., LL.B., *Lecturer in Medical Jurisprudence*

Matthew Mills, LL.B., *Alternate Lecturer in Medical Jurisprudence*

Required Course—Third Year

4. Hygiene and Public Health.—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *I.*

Professor ——————

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of the various states. Lectures, 1. *I.*

Elmer D. Brothers

SURGERY

Charles Davison, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

Charles Davison, A.M., M.D., *Professor of Surgery and Clinical Surgery*

Albert John Ochsner, B.S., M.D., LL.D., *Professor of Surgery and Clinical Surgery*

Albert Edward Halstead, M.D., *Professor of Surgery and Clinical Surgery*

William McIntyre Harsha, A.B., M.D., *Professor of Surgery and Clinical Surgery*

Charles Edward Humiston, M.D., *Professor of Clinical Surgery*

Nelson Mortimer Percy, M.D., *Associate Professor of Clinical Surgery*

George Farnsworth Thompson, B.S., M.D., *Associate Professor of Clinical Surgery*

Frederick George Dyas, M.D., *Assistant Professor of Clinical Surgery*

Frank Donald Moore, M.D., *Assistant Professor of Surgery and Clinical Surgery*

John Ross Harger, B.S., M.D., *Assistant Professor of Surgery*

Karl Albert Meyer, M.D., *Assistant Professor of Surgery and Clinical Surgery*

Cassius Clay Rogers, A.M., M.D., *Assistant Professor of Surgery*

Charles Herbert Phifer, M.D., *Assistant Professor of Surgery*

Walter Howard Meents, B.S., M.D., *Assistant Professor of Surgery*

Arrie Bamberger, B.S., M.D., *Associate in Surgery*

Raymond William McNealy, *M.D., Associate in Surgery*

Oscar Eugene Nadeau, B.S., M.D., *Associate in Surgery*

Henry Lester Baker, M.D., *Associate in Surgery*

George Washington Post, A.M., M.D., *Associate in Surgery*

George Luther Davenport, M.D., *Instructor in Surgery*

Max Meyerovitz, M.D., *Instructor in Surgery*

Edwin Christian Schmitt, A.M., M.D., *Instructor in Surgery*

William Franklin Moncreiff, M.S.. M.D., *Instructor in Surgery*

Lyndon Harris, M.D., *Assistant in Surgery*

Clara Grace Gottschalk, M.D., *Assistant in Surgery*

Required Courses—Third Year

3-4. Practise.—Surgery and surgical pathology. Conferences, recitations. In sections; 2. *II.*

Assistant Professor Phifer, Dr. Nadeau, Dr. Post, Dr. Schmitt

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). *II.*

Assistant Professor Harger, Dr. Bamberger, Dr. Post, Dr. Harris

9. Clinic.—Cook County Hospital. 1 two-hour period. *I.*

Professor Humiston, Dr. McNealey

10. Clinic.—Cook County Hospital. 1 two-hour period. *I.*

Associate Professor Thompson

11. **Clinic.**—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Dyas

12. **Clinic.**—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Meyer, Dr. Davenport

19. **Anesthetics.**—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital. Conferences; recitations. To small sections; *I* (*four weeks*).
Assistant Professor Meyer, Dr. Baker

Optional Courses—Third Year

1-X. **Anesthetics, Surgical Dressings, and Bandaging.**—Individual instruction and demonstration of the application of surgical dressings. 1. *I.*
Dr. Baker

2-X. Surgical Diagnosis.—1. *I.*
Dr. McNealy

3-X. Principles of Surgery.—A review course. 1. *I.*
Assistant Professor Meyer, Dr. Moncreiff

4-X. Special Fractures.—Lectures, recitations, conferences. 1. *I.*
Dr. Davenport

5-X. Operative Surgery of the Abdomen on Animals.—1. *I.*
Dr. Graham, Dr. Mustell

Required Courses—Fourth Year

23-24. Practise.—Regional surgery. Conferences, recitations. In sections. 1. *I.*
Assistant Professor Moore, Assistant Professor Meents

29. Clinic.—University Hospital. 1 two-hour period. *I.*
Professor Davison, Dr. Meyerovitz

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I.*
Professor Ochsner, Associate Professor Perc

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Professor Ochsner, Associate Professor Percy

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor Halstead, Professor Harsha

34. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor Thompson

35. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Dyas

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor Meyer

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.*
Professor Davison, Assistant Professor Meyer

37b. Clinic.—Cook County Hospital. *Individual Bedside Instruction in Surgical Diagnosis.* Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patient secured in the ward, operating room, or morgue. One two-hour period. *I.*

Professor Davison, Professor Humiston, Associate Professor Thompson. Assistant Professor Dyas, Assistant Professor Meyer, Dr. Gottschalk

41. Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*).

Dr. Nadeau

43-44. Surgical Seminar.—Work done in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester, the groups will meet only informally, and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.

Assistant Professor Harger

Optional Courses—Fourth Year

Advanced Work in Special Subjects

6-X. Surgery of the Abdomen.—Lectures, conferences, recitations. 1. *I.*

Assistant Professor Meents

7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. *I.*

Assistant Professor Thomas

8-X. Regional Surgery.—A review course. 1. *I.*

Assistant Professor Meyer, Dr. Moncreiff

9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. 1. *I.*

Assistant Professor Rogers

10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. *I.*

Associate Professor Thompson

11-X. Surgical Diseases of the Kidneys.—1. *I.*

Dr. Culver

DIVISION OF ORTHOPEDIC SURGERY

Charles Meyer Jacobs, M.D., *Associate Professor*
Henry Bascom Thomas, B.S., M.D., *Assistant Professor*
John Perley Sprague, A.B., M.D., *Associate*
Robert Jay Cook, A.B., M.D., *Instructor*
Marcus Hatfield Hobart, A.B., M.D., *Instructor*
Thomas John Sullivan, Jr., M.D., *Instructor*

Required Courses—Third Year

3. Practise.—Conferences, recitations. In sections. 1. *I.*

Assistant Professor Thomas, Dr. Sprague, Dr. Hobart, Dr. Sullivan

7. Clinic.—Cook County Hospital. 1. *I.*

Assistant Professor Jacobs

8. Clinic.—Cook County Hospital. 1. *I.*

Assistant Professor Thomas

15-16. Clinic.—Dispensary. In sections; three two-hour periods (*three weeks*). *II.*

Assistant Professor THOMAS, Dr. COOK, Dr. HOBART, Dr. SULLIVAN
Dr. SPRAGUE

DIVISION OF GENITO-URINARY SURGERY

CHARLES MORGAN MCKENNA, B.S., M.D., *Assistant Professor*
HARRY CULVER, M.S., M.D., *Associate*
HARRY JEROME SMEJKAL, M.D., *Instructor*
MAURICE SEYMOUR MAZEL, B.S., M.D., *Instructor*
HARTLEY FARHAM MARS, PH.C., M.D., *Instructor*

REQUIRED COURSES—THIRD YEAR

3. Practise.—Conferences, recitations. In sections. 1. *I.*

Assistant Professor MCKENNA, Dr. CULVER, Dr. MAZEL, Dr. MARS

7-8. Clinic.—Dispensary. In sections. Three two-hour periods (*three weeks*). *II.*

Assistant Professor MCKENNA, Dr. SMEJKAL, Dr. MAZEL, Dr. MARS

REQUIRED COURSES—FOURTH YEAR

11. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections; 2 two-hour periods (*three weeks*).

Dr. CULVER

14. Clinic.—St. Joseph's Hospital. In sections; 1 two-hour period. *I.* (*four weeks*).

Assistant Professor MCKENNA

DIVISION OF OPERATIVE SURGERY

BENJAMIN FRANKLIN LOUNSBURY, B.L., M.D., *Assistant Professor*
ARCHIE JAMES GRAHAM, B.S., M.D., *Instructor*
JAMES HUBERT SKILES, A.B., M.D., *Assistant*
ARTHUR R. METZ, A.B., M.D., *Assistant*
CHARLES EDWARD WATTS, B.S., M.D., *Assistant*
ROBERT ROWLAINE MUSTELL, A.B., M.D., *Assistant*
RALPH AUGUST KORDENAT, B.S., *Student Assistant*

REQUIRED COURSE—SECOND YEAR

3. Operative Surgery.—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections; two two-hour periods. *I.*

Assistant Professor LOUNSBURY, Dr. SKILES, Dr. METZ, Dr. WATTS

SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Organic	32	96	..	..	128
Physiological	..	..	32	96	128
PHYSIOLOGY	..	..	48	96	144
	96	368	144	368	976

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	96	..	..	128
Bacteriology	48	96	..	..	144
Clinical Pathology	..	..	..	64	64
Pharmacology Prescription Writing and Pharmacy	48	64	48	64	224
Pathology	32	96	16	48	192
Physical Diagnosis	..	..	16	32	48
Physiology	32	96	..	..	128
Surgery (Operative)	..	..	..	32	32
	192	442	112	240	960

SUMMARY OF HOURS—Continued

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Hygiene.........	..	..	..	32	24	.	56
Oto-Laryngology..	16	26	9	..	..	9	60
Internal Medicine	64	40	18	64	40	18	244
Medical Jurisprudence..	..	..	..	16	..	..	16
Pathology	..	..	..	..	64	..	64
Pediatrics	16	..	..	16	16	..	48
Pharmacology and Therapeutics...	32	..	..	..	..	..	32
Obstetrics	32	..	..	32	20	..	84
General Surgery..	32	32	18	32	36	18	168
Orthopedic Surgery........	16	16	18	..	16	18	84
Genito-Urinary Surgery........	16	..	18	..	..	18	52
		104	81	198	252	81	940

SUMMARY OF HOURS—Continued

FOURTH YEAR

Subjects	**First** Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Dermatology	32	16	9	..	..	9	66
Genito-Urinary Surgery........	..	4	..	..	16	..	20
Gynecology	32	32	9	..	20	9	102
Medicine	96	50	..	48	66	..	260
Neurology	16	16	18	16	16	18	100
Obstetrics	48	30	..	..	34	..	112
Ophthalmology ...	12	16	18	..	..	18	64
Pediatrics	..	32	18	..	12	18	80
Psychiatry	..	..	..	16	8	..	24
Roentgenology ...	..	..	..	..	4	..	4
General Surgery..	32	72	..	32	88	..	224
Surgical Pathology	..	..	..	..	16	..	16
	268	268	72	112	280	72	1072

First year	976
Second year	960
Third year	940
Fourth year	1072
Total..........................	3948

FIRST YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Histology 8-12 305-7	Organic Chemisty 8-12 304	Histology 8-12 305-7	Organic Chemistry 8-12 304	Histology 8-12 305-7	
9-10						
10-11						
11-12						
1-2		Anatomy 1-5 AL	Anatomy 1-2	Anatomy 1-5 AL		
2-3						
3-4						
4-5						

SECOND YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9					Physiology Laboratory 8-12 207-8	
9-10		Bacteriology 9-10 205	Physiology Laboratory 9-11 207-8	Bacteriology 9-10 205		Bacteriology 9-10 205
10-11		Bacteriology Laboratory 10-12 112		Bacteriology Laboratory 10-12 112		Bacteriology Laboratory 10-12 112
11-12	Physiology 205		Physiology 205			
1-2	Pharmacology 1-2 406	Topographical Anatomy 1-5 AL	Pharmacology 1-2 406	Topographical Anatomy 1-5 AL	Pharmacology 1-2 406	
2-3	Pharmacology Laboratory Section I 2-5 302		Pharmacology Laboratory Section II 2-5 302		Physiology 2-3 205	
3-4						
4-5						

THIRD YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medical Clinic ¼ class 8 weeks 8-9 C	Medical Clinic ¼ class 8 weeks 8-9C Medical Clinic ½ class 8-10 U	Medical Clinic ¼ class 8 weeks 8-9 C	Medical Clinic ¼ class 8 weeks 8-9 C Surgical Clinic ¼ class 4 weeks 8-10 C	Surgical Clinic ¼ class 4 weeks 8-10 C Oto-Laryngology Conference ⅛ class 4 weeks 9-10 X	Surgical Clinic ¼ class 4 weeks 8-10 C
9-10	Pediatric Clinic ⅛ class 4 weeks 9-11 C		Orthopedic Surgery Clinic ½ class 9-10 C			
10-11	Contagious Clinic (Pediatrics) ⅛ class 4 weeks 9-11 C		Medical Clinic ½ class 10-12 C	Oto-Laryngology 10-11 406	Obstetrics 10-11 303	Surgical Clinic ¼ class 4 weeks 10-12 C
11-12	Orthopedic Surgery Clinic ½ class 11-12 C	Obstetrics 11-12 303		Obstetrics 11-12 303	Pediatrics 11-12 303	Obstetric Laboratory ⅛ class 4 weeks 10-12 305
12-1	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U
1-2	Optional Subjects 1-2	Autopsies ½ Class 1-3 C	Optional Subjects 1-2	Therapeutics 1-2 303	Orthopedic Surgery 1-2 303	Therapeutics 1-2 303
2-3	Dispensary 2-4	Dispensary 2-4	Oto-Laryngology Clinic ¼ Class 8 weeks 2-4 R	Dispensary 2-4	Dispensary 2-4	Dispensary 2-4
3-4	Sections 1-4	Sections 5-8	Dispensary 1-4 Sections 1-4	Sections 5-8	Sections 1-4	Sections 5-8
4-5	Medicine 4-5 303	Medicine 4-5 303	Medicine 4-5 303	Surgery 4-5 303	Medicine 4-5 303	Optional Subject 4-5
5-6	Surgery 5-6 303	Optional Subjects				

FOURTH YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medical Clinic ¼-class eight weeks 8-10 A Medical Clinic ¼-class eight weeks 8-10 L Surgical Clinic ½-class 9-10 C	Contagious Clinic (Pediatrics) ¼-class four weeks 8-10 C Genito-Urinary Surgery Clinic ⅛-class six weeks 8-10 C	Medicine 8-9 205	Medical Clinic ¼-class eight weeks 8-10M Surgical Clinic ½-class 8-10 C Genito-Urinary Surgery Clinic ⅛-class six weeks 8-10 C	Medicine 8-9 205	Surgical Clinic ¼ class 8 weeks 8-10 C Medical Clinic ½ class 8 weeks 8-10 C
9-10			Obstetrics 9-10 406		Gynecology 9-10 205	
10-11	Neurology ¼-class eight weeks 10-12 X Surgical Clinic ¼-class eight weeks 10-12 A Surgical Clinic ¼-class eight weeks 10-12 L Medical Clinic ¼-class eight weeks 10-12 C	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Genito-Urinary Surgery Conference ¼-class eight weeks 11-12 J	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Obstetric Clinic ½-class 11-12 U	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Surgical Clinic ¼-class eight weeks 10-12 M Surgical Clinic ¼-class eight weeks 10-12 C	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Obstetrics Manikin ¼-class eight weeks 10-12: 406 Obstretrics Laboratory ¼-class four weeks 10-12: 112	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Pediatric Clinic ½-class 10-12 C
11-12						
12-1	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U
1-2	Optional Subject 1-2	Optional Subject 1-2	Optional Subject 1-2	Neurology and Psychiatry ½ class 1:15-3:15 D Dispensary 2-4	Medicine 1-2 205	
2-3	Surgical Clinic ¼ class 8 weeks 2-4 C Dispensary 2-4	Dispensary 2-4	Medical Clinic ¼ class 8 weeks 2-4 C Surgical Clinic ½ class 2-4 U Dispensary 2-4		Gynecology Clinic ½-class 2-4 C Dispensary 2-4 Surgical Pathology ¼-class eight weeks 2-4 112	Ophthalmology ¼ class 4 weeks 2-4 **Dispensary** 2-4
3-4						
4-5	Medicine 4-5 205	Dermatology 4-5 205	Optional Subjects 4-5	Optional Subjects 4-5	Surgery 4-5 205	Optional Subjects 4-5
5-6	Obstetrics 5-6 205	Obstetrics 5-6 205		Optional Subjects 5-6	Seminar 5-6 201	

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association of the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Harry C. Bigglestone, maintains his headquarters in the reception room of the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the Social and Religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such services. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the seven medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Karl A. Meyer, '08, Cook County Hospital, Chicago, Illinois.
President-elect—Louis J. Hammers, '02, Lexington, Illinois.
First Vice-President—William H. Bradley, '10, Mayo Clinic, Rochester, Minn.
Second Vice-President—Charles A. Hallberg, '11, 3958 Roosevelt Rd., Chicago.
Third Vice-President—Wm. Butler West, '06, 25 E. Washington St., Chicago.
Secretary—John M. Krasa, '13, 3100 Washington Blvd., Chicago.
Treasurer—John M. Krasa, '13.
Member Executive Committee—R. W. McNealy, '10, 25 E. Washington St., Chicago.
Alumni Councillor—R. W. Morris, '02, 4301 Ellis Ave., Chicago.
Necrologist—O. E. McWilliams, '99, Anderson, Indiana.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded at the University of Illinois, College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

PERSONNEL

Dr. J. J. Moore, Faculty Counselor
John Fisher Gainer, President.
Franklin Ransom Fitch, Vice-President
Homer Samuel Warren, Jr., Secretary and Treasurer
Philip Aries
Arnold Carl Nickels

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in November, 1913, many such papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

PAPERS READ BEFORE THE CLUB DURING 1919-20

"Habitat and Distribution of Hemolytic Streptococci in the Body." Dr. D. J. Davis.

"The Effect of Iodides on the Autolysis of Liver Tissue." Dr. P. G. Albrecht.

"Specific Immunological Groupings of Bacillus Influenzae." Dr. J. C. Small and Mr. G. K. Dickson.

"A Study of the Effects of Deficiency Diets on Pregnant Guinea Pigs and Their Young." Dr. J. J. Moore and Dr. Leila Jackson.

"A Career in Research." Prof. W. A. Noyes.

"The Pathology of Anaphylaxis in Man." Dr. T. H. Boughton.

"The effect of the Intravenous Injection of Colloidal Metals on Metabolism. 1. Colloidal Copper." Mr. Grover Tracy.

"Results of Experiments in the Passage of Substances Through the Skin by Osmosis." (With special reference to topical applications.) Prof. Louis Kahlenberg.

"Osmosis in Relation to Clinical Medicine." Dr. Edward H. Ochsner.

"The Work of the Council of Pharmacy and Chemistry of the American Medical Association." Prof. A. H. Clarke.

"Some of the Councils Problems with Therapeutic Agents." Dr. Paul N. Leech.

"Experiments on Gustatory Organs." Dr. J. M. D. Olmsted.

"The Use of Cautery Among Neolithic and Later Primitive Peoples." Dr. Roy L. Moodie.

HOSPITAL APPOINTMENTS 1920

Cook County Hospital Chicago, Illinois.	Charles Marshall Davison Woodruff L. Crawford Maurice Cottle Ladislav V. Capek Ethel Anna Gwin Paul S. Carley Harry Paskind Neil K. Forster Gerald Deland Gernon Hanby Lewis Ford Theodore Thaddeus Stone Albert Eric Olson
Miami Valley Hospital Dayton, Ohio.	Andrew A. Arnquist Joseph Bonsall Stevens
Grant Hospital Chicago, Illinois.	George Albert Allen Myron H. Miller Herald B. Norviel H. W. Champlin
Louisville City Hospital Louisville, Kentucky.	Edgar Theron Blair
Hamilton County Hospital Noblesville, Indiana.	George Edward Clark
Mercy Hospital Chicago, Illinois.	Gerald Morris Cline William J. Noonan Harold Jackson McCoy
Mt. Sinai Hospital Chicago, Illinois.	Carl Cohen
Columbus Hospital Chicago, Illinois.	John William Craddock Joseph La Rocca Edward Vincent Donovan
University Hospital Chicago, Illinois.	George Elvidge
Henrotin Hospital Chicago, Illinois.	Harold Francis Diller Lawrence F. Draper
Stanford Lane Hospital San Francisco, California.	Rea Ernest Ashley
Wesley Memorial Hospital Chicago, Illinois.	Max Ehrlich Max Wittelle
St. Anne's Hospital Chicago, Illinois.	Walter Rathfon Fischer

Lake View Hospital Chicago, Illinois.	Carson King Gabriel
Blodgett Memorial Hospital Grand Rapids, Michigan.	R. E. Greenwood
Minneapolis City Hospital Minneapolis, Minnesota.	George B. Irvine
West Side Hospital Chicago, Illinois.	Herbert Julius Schmidt William Edson Wright Franklin LeRoy Rubright Karl J. Kaiser
South Shore Hospital Chicago, Illinois.	George Buchanan Kryder
Washington Park Hospital Chicago, Illinois.	Everett Raymond Lambertson
Mayo Clinic Rochester, Minnesota.	Thomas Byrd Magath
Milwaukee Hospital Milwaukee, Wisconsin.	George Stanley Metcalf
St. Mary's Hospital Chicago, Illinois.	Robert Drinnan McCradie
Holy Cross Hospital Salt Lake City, Utah.	David E. Ostler
St. Bernard's Hospital Chicago, Illinois.	Joseph Sponder
Swedish Covenant Hospital Chicago, Illinois.	William Benjamin Stromberg
Ravenswood Hospital Chicago, Illinois.	Fred Rush Thompson
Alhambra Hospital Alhambra, California.	Robert Allyn Walker
New England Hospital for Women and Children Boston, Massachusetts.	Ruth Leonard
Chicago State Hospital Dunning, Illinois.	Samuel Alfred Murphy Andrew Petrass
Los Angeles County Hospital Los Angeles, California.	Ray Henry Freark Ralph A. Woods
Kansas City General Hospital Kansas City, Missouri.	Homer Vernon Wilburn Clarence Leon Wilson Max Elihu Engerman
Michael Reese Hospital Chicago, Illinois.	Norbert Pauker Louis Goldblatt
St. Luke's Hospital Chicago, Illinois.	John Walter Johnson George Henry Woodruff

Latter Day Saints Hospital Salt Lake City, Utah.	Clarence Leo Merrill
Deaconess Evangelical Hospital Chicago, Illinois.	Sophia Adeline Knauer
St. Joseph's Hospital Chicago, Illinois.	Arthur Reuben Bogue Ernest Julius Brosius Thomas Thayer Rackliffe
Augustana Hospital Chicago, Illinois.	Milton Marquette Ochs
Diversey Parkway Hospital Chicago, Illinois.	Edward Philip Gramer

DEGREES CONFERRED—Session 1919-1920

THE DEGREE OF DOCTOR OF MEDICINE

Conferred February 6, 1920, in Chicago

Allen, George Albert, B.S.
Ashley, Rea Ernest, B.S.
Arnquist, Andrew Samuel, B.S.
Blair, Edgar Theron, B.S.
Clarke, George Edward, B.S.
Cline, Gerald Morris, B.S.
Cohen, Carl, B.S.
Craddock, John William, B.S.
Crawford, Woodruff Lynden, B.S.
Davison, Charles Marshall, B.S.
Diller, Harold Francis, B.S.
Draper, Lawrence Francis, B.S.
Ehrlich, Max, B.S.
Elvidge, George,
Fischer, Walter Rathfon, B.S.
Ford, Hanby Lewis, B.S.
Gabriel, Carson King, B.S.
Gernon, Gerald Deland, B.S.
Greenwood, Ray Ellsworth, B.S.
Hyatt, Emry G., B.S.
Irvine, George B., B.S.
Kaiser, Karl John, B.S.
Kryder, George Buchanan, B.S.
Lambertson, Everett Raymond, B.S.
Magath, Thomas Byrd, PhB., M.S., Ph.D.
Metcalf, George Stanley, B.S.
McCoy, Harold Jackson, B.S.
McCradie, Robert Drinnan, A.B.
Noonan, William James, B.S.
Norviel, Herald Bernard, B.S.
Olson, Albert Eric, B.S.
Ostler, David Elmer, B.S.
Ruppenthal, Armond, B.S.
Sponder, Joseph, B.S.
Stevens, Joseph Bonsall, B.A.
Stone, Theodore Thaddeus, B.S.
Stromberg, William Benjamin, B.S.
Thompson, Fred Rush, B.S.
Walker, Robert Allyn, B.S., A.B.
White, Cyrus Lanyon, B.S.
Wittelle, Frank Max, B.S.
Woods, Ralph A., B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred June 12, 1920, in Chicago

Bailey, Bayard Melvin
Bacon, Carl Alfons
Berman, Simeon Leo
Block, Coleman Alex
Bloom, Arthur Ruben
Buhrman, William Lane
Charpier, Leonard Louis
Dona, Pedro Joaquin
Doolen, Glen Wesley
Elfeld, Persis Frances
Edidin, Louis
Faxon, Donald Eugene
Goldenson, Max Julian
Hughes, Clarence Orville
Iverson, Louis, M.D.
Jensen, Ingvald Johan
Laibe, Joseph Eli
Livingston, George Shaynin
Maizus, Saul Hyman
Mandel, Robert Meyer
Meyer, Harold Irving
Moeur, John Kelly
Myers, William Henry
Pilka, Herman Joshua
Pontius, Guy Victor
Potts, Albert LeRoy
Prilla, Evsay
Rappaport, Benjamin
Reinhard, Otto Andrew
Resnik, Tobias

Rost, Theodore August
Rubin, Henry Harry
Rutledge, James Hirst
Schroeder, Robert Henry
Sinai, Leah
Spector, Hyman Ischia
Tolpin, Samuel
Ullman, Manfred Prescott
Ventress, Ward Huston
Welensky, David Arthur
Yonker, William
Zeitlin, Nathan Saunders
Zulaybar, Sofronio Copon

THE DEGREE OF DOCTOR OF MEDICINE

Conferred June 12, 1920, in Chicago

Baxter, Lewis Thomas
Bogue, Arthur Reuben, B.S.
Brosius, Ernest Julius, D.D.S., B.S.
Capek, Ladislav V., B.S.
Carter, William McKinley, B.A.
Champlin, Howard William, A.B., B.S.
Cottle, Maurice Hiam, B.S.
Donovan, Edward Vincent Francis, A.B., B.S.
Engerman, Max Elihu, B.S.
Freark, Ray Henry, B.S.
Goldblatt, Louis, B.S.
Gramer, Edward Phillip, B.S.
Gwin, Ethel Anna, B.S.
Heller, Henry Frederick, B.S.
Johnson, John Walter, B.S.
Knauer, Sophia Adeline, B.S.
LaRocca, Joseph, B.S.
Leonard, Ruth, A.B., B.S.
Merrill, Charles Leo, B.S.
Miller, Myron Herbert, B.S.
Murphy, Samuel Alfred, B.S.
McCradie, Andrew Ross
Naroditsky, Samuel, B.S.
Ochs, Milton Marquette
Oliver, Henry Earle
Parker, James William, Jr., B.S.
Paskind, Harry Arthur, B.S.
Pauker, Norbert, B.S.
Petrass, Andrew, B.S.
Pickoff, Fred, B.S.
Rackliffe, Thomas Thayer, B.S.
Rubright, Franklin LeRoy, B.S.
Schmidt, Herbert Julius
Shurtleff, Raymond Shryock, B.S.
Slaughter, Mary Gertrude, B.S.
Warmolts, Lambertus, A.B., B.S.
Werner, Peter Joseph, B.S.
Wilburn, Vernon Homer, A.B.
Wilson, Clarence Leon, B.S.
Woodruff, George Henry, B.S.
Wright, William Edson, B.S.

REGISTER OF STUDENTS—Session of 1919-1920

FOURTH YEAR CLASS

Antonio, Ambrosio Ysidro, A.B.	*Philippine Islands*
Baxter, Lewis Thomas	*Illinois*
Bogue, Arthur Reuben, B.S.	*Illinois*
Brosius, Ernest Julius, D.D.S., B.S.	*Minnesota*
Capek, Ladislav V., B.S.	*Illinois*
Carley, Paul Sterling, B.S.	*Illinois*
Carter, William McKinley, B.A.	*North Dakota*
Champlin, Howard William, A.B., B.S.	*Illinois*
Cottle, Maurice Hiam, B.S.	*Illinois*
Curtis, William	*Illinois*
Donovan, Edward Vincent Francis, A.B., B.S.	*Illinois*
Engerman, Max Elihu, B.S.	*Illinois*
Freark, Ray Henry, B.S.	*Illinois*
Goldblatt, Louis, B.S.	*Illinois*
Gramer, Edward Phillip, B.S.	*Illinois*
Gwin, Ethel Anna, B.S.	*California*
Heller, Henry Frederick, B.S.	*Illinois*
Johnson, John Walter, B.S.	*Illinois*
Knauer, Sophia Adeline, B.S.	*Illinois*
LaRocca, Joseph, B.S.	*Illinois*
Leonard, Ruth, A.B., B.S.	*Illinois*
Merrill, Charles Leo, B.S.	*Utah*
Miller, Myron Herbert, B.S.	*Illinois*
Murphy, Samuel Alfred, B.S.	*Wisconsin*
McCradie, Andrew Ross	*North Dakota*
Naroditsky, Samuel, B.S.	*Illinois*
Ochs, Milton Marquette	*Illinois*
Oliver, Henry Earle	*Iowa*
Parker, James William, Jr., B.S.	*Illinois*
Paskind, Harry Arthur, B.S.	*Illinois*
Pauker, Norbert, B.S.	*Illinois*
Petrass, Andrew, B.S.	*Illinois*
Pickoff, Fred Leo, B.S.	*Illinois*
Rackliffe, Thomas Thayer, B.S.	*Missouri*
Rubright, Franklin LeRoy, B.S.	*Illinois*
Schiff, Nathan Samuel, M.D.	*New York*
Schmidt, Herbert Julius	*Illinois*
Shurtleff, Raymond Shryock, B.S.	*Illinois*
Slaughter, Mary Gertrude, B.S.	*Illinois*
Warmolts, Lambertus, A.B., B.S.	*Illinois*
Werner, Peter Joseph, B.S.	*Illinois*
Wilburn, Vernon Homer, A.B.	*Missouri*

Wilson, Clarence Leon, B.S.	*Illinois*
Woodruff, George Henry, B.S.	*Illinois*
Wright, William Edson, B.S.	*Illinois*

THIRD YEAR CLASS

Alesen, Lewis Albert, B.S.	*Michigan*
Aries, Philip, B.S.	*Illinois*
Bacon, Carl Alfons	*Illinois*
Bendeke, Edle Lillian	*Minnesota*
Bernheimer, L. B.	*Indiana*
Brams, Julius, B.S.	*Illinois*
Bronson, Paul Jones, B.S.	*Indiana*
Browne, William Harcourt, B.S.	*Illinois*
Burkett, Richard Clare, B.S.	*California*
Chenoweth, Frank Leland, B.S.	*Illinois*
Coleman, John Spurgeon, B.S.	*Kansas*
Crawford, Neal Dow, B.S.	*Minnesota*
D'Alcorn, Ernest Napoleon, B.S.	*Illinois*
Davis, John Dwight, A.B.	*Nebraska*
Dennis, Howard Olney, B.S.	*New Mexico*
Dona, Pedro Joaquin	*Illinois*
Fitch, Franklin Ransom, B.S.	*Illinois*
Focke, William John	*Illinois*
Gainer, John Fisher, B.S.	*Illinois*
Goldberg, Joseph	*Illinois*
Goldenson, Max Julian	*Illinois*
Gordon, Harry, B.S.	*Illinois*
Hebeisen, Milton Boyce, B.S.	*Minnesota*
Heinekamp, Walter J. R., B.S.	*Illinois*
Hershey, Charles Owen	*Colorado*
Hoffman, Ralph Wesley, B.S.	*Iowa*
Hospers, Anthony	*Iowa*
Jensen, Ingvald Johan	*Illinois*
Jewell, Harrison Bonwell, B.S.	*Iowa*
Jewell, John Holly	*Iowa*
Johnston, James Paul	*Iowa*
Kordenat, Ralph August, B.S.	*Illinois*
Kraft, Adolph, B.S.	*Illinois*
Laibe, Joseph Eli	*Illinois*
Levin, Abe Louis	*Illinois*
Little, Ethel Esther, B.S.	*Illinois*
Merrill, Don Clayton, B.S.	*Utah*
Mitchell, Raymond Ervin	*Indiana*
Mroz, Rudolph, B.S.	*Illinois*
Mulfinger, Carl Leonard, B.S.	*Pennsylvania*
Nemerofsky, Jacob	*Illinois*
Nickels, Arnold Carl, B.S.	*Wisconsin*
Pinkerton, Roger Edmond, A.B., B.S.	*Nebraska*
Plice, Samuel Glenn, B.S.	*Illinois*
Polkovitz, Mannie Arnold	*Illinois*
Przypyszny, Casimir, B.S.	*Illinois*

Raginsky, Oscar, B.S.	*Illinois*
Rettig, Frederick August, B.S.	*Illinois*
Richmond, Frank, B.S.	*Illinois*
Rosenberg, Maurice Joseph, B.S.	*Illinois*
Rost, Theodore August	*Illinois*
Rozinsky, Julius, B.S.	*Illinois*
Rubin, Irwin, B.S.	*Illinois*
Rudnik, Dorrin Fred	*Illinois*
Rush, Paul White, B.S.	*Illinois*
Saelhof, Clarence Charles, B.S.	*Illinois*
Schroeder, Robert Henry	*Illinois*
Shapiro, Irving Joseph, B.S.	*Illinois*
Soloway, Herman Milton	*Minnesota*
Spector, Hyman Ischia	*Illinois*
Spiesman, Irwin Gabriel, B.S.	*Illinois*
Stewart, Frank, A.B.	*Illinois*
Testin, Henry	*Illinois*
Traisman, Alfred Stanley, B.S.	*Illinois*
Van Pelt, Theodore Ross, B.S.	*Iowa*
Warren, Homer Samuel, Jr., B.S.	*Illinois*
Weber, Leonard Fred	*Illinois*
Wishnefsky, Louis J.	*Illinois*
Yonker, William	*Illinois*
Zulaybar, Sofronio Copon	*Philippine Islands*

SECOND YEAR CLASS

Abrahams, Samuel	*Illinois*
Anderson, Bertha Maria Gunmilla, Pd.B.	*Colorado*
Bailey, Bayard Melvin	*Illinois*
Berman, Simeon Leo	*Illinois*
Block, Coleman Alex	*Iowa*
Bloom, Arthur Ruben	*Illinois*
Bollman, Jesse Louis, A.B., M.S.	*Illinois*
Boner, Albert Jay	*Illinois*
Buhrman, William Lane	*Illinois*
Burst, William	*Illinois*
Charpier, Leonard Louis	*Illinois*
Dewey, Jay Reed	*Iowa*
Donaly, Marie Ruby	*Illinois*
Doolen, Glen Wesley	*Illinois*
Drues, Isadore Abraham	*Illinois*
Elfeld, Persis Frances	*Illinois*
Edidin, Louis	*Illinois*
Faxon, Donald Eugene	*Illinois*
Fleischner, Julius	*Illinois*
Hughes, Clarence Orville	*Illinois*
Jongewaard, Jeanette	*Iowa*
Kobak, Alfred	*Illinois*
Livingston, George Shaynin	*Illinois*
Maizus, Saul Hyman	*Illinois*

Mandel, Robert Meyer	*Illinois*
Mann, William Alfred	*Illinois*
Maryan, Harry I.	*Illinois*
Meyer, Harold Irving	*Illinois*
Moeur, John Kelly	*Arizona*
Monroe, Paul Burns	*Wisconsin*
Myers, William Henry	*Illinois*
Paul, Berenice Marie, A.B.	*Illinois*
Pianko, Helene	*Illinois*
Pilka, Herman Joshua	*Illinois*
Pontius, Guy Victor	*Indiana*
Potts, Albert LeRoy	*Illinois*
Prilla, Evsay	*Illinois*
Rappaport, Benjamin	*Illinois*
Reinhard, Otto Andrew	*Illinois*
Rissinger, Arthur Joe	*Illinois*
Rubin, Henry Harry	*Illinois*
Rutledge, James Hirst	*Illinois*
Sinai, Leah	*Illinois*
Smith, Beulah Marie	*Illinois*
Tolpin, Samuel	*Illinois*
Ullman, Manfred Prescott	*Illinois*
Ventress, Ward Huston	*Illinois*
Welensky, David Arthur	*Illinois*
Zeitlin, Nathan	*Illinois*

FIRST YEAR CLASS

Adler, Julius	*Illinois*
Adrachinsky, Isaac	*Missouri*
Albach, M.	*Illinois*
Albrecht, Paulus Gerhard, Ph.D.	*Illinois*
Alcivar, Ernest	*New York*
Apple, Carl	*Illinois*
Baker, Eugene Lester	*Illinois*
Baumgartner, George John	*Illinois*
Bronston, Albert Sam	*Michigan*
Byers, William Mitchell	*Washington*
Caron, Robert Paul	*Illinois*
Cohen, Abe Wilbur	*Minnesota*
Cooper, Max	*New York*
Corson, Harold Fee	*Illinois*
Crisostomo, Francisco	*Illinois*
Cromley, William Wallace	*Illinois*
Davidson, Thorald Edward, B.S.	*Iowa*
DeFreitas, Clement	*Guiana, S. A.*
Dessent, Robert	*Illinois*
Dillon, John Joseph	*Illinois*
Edwards, Howard Milton	*Illinois*
Epstein, Davis	*Illinois*
Esquadro, Beingo V.	*Philippine Islands*

Etherton, Fred Snider	*Illinois*
Eye, Charles Harold	*Illinois*
Fietz, Erwin Richard	*Illinois*
Feldman, Louis	*Illinois*
Garrison, George Harry	*Illinois*
Goff, Charles Weer	*Iowa*
Goldberg, Bernard	*Illinois*
Goodwin, Marcus	*Illinois*
Gootnick, Jacob B.	*Illinois*
Gottschalk, True Palmer	*Indiana*
Greengard, Joseph	*Illinois*
Groos, Harold Quinten	*Michigan*
Gussin, Harry	*Michigan*
Hadden, Shirley Louis	*Illinois*
Hahn, James Pendleton	*South Carolina*
Hanson, Adolph Marius	*California*
Harris, Richard August	*Illinois*
Harris, Sigil Clance	*South Dakota*
Hartzler, Archie David	*Pennsylvania*
Horn, Isadore	*Illinois*
Hoskins, James Howard	*North Dakota*
Imbiorski, Stanley J.	*Illinois*
Isaac, John	*Illinois*
Janicki, Stanley Florin	*Illinois*
Karbelnig, Morris	*Illinois*
Karlin, Isaac	*Illinois*
Karras, George Lygurgus	*Illinois*
Kellogg, Douglas Sheldon	*Iowa*
Kelly, Edward Joseph	*Illinois*
Kelly, John Francis	*Illinois*
King, Paz G., Mrs.	*Illinois*
Klein, Jacob	*Illinois*
Lans, Nathaniel Benjamin	*Illinois*
Lansche, Elmer Arnold	*Illinois*
Lawn, Hugh Edward	*Minnesota*
Lenit, Harold Walter	*Illinois*
Lerche, Thorleif Iverson, D.D.S.	*Illinois*
Levin, Benjamin Mordecai	*Illinois*
Lintner, Roy Christian	*Illinois*
Litton, Louis	*Illinois*
Lucas, Frank Blackburn	*Illinois*
Magill, Clark Russell William	*Illinois*
Maher, Chauncey Carter	*Illinois*
Mandel, Harry	*Illinois*
Mathre, Albert Ilmer	*Illinois*
Merchant, Henry Alpheus	*Kentucky*
Mills, Morton Joseph	*Illinois*
Montezon, Apolonio Fermin	*Philippine Islands*
McCoy, Edwin Earl	*Illinois*
McGrath, Floyd Lawrence	*Illinois*
McIntire, Emery J.	*Missouri*

Newman, Melvin Max	*Illinois*
Nielson, Johannes	*Illinois*
Owens, Celia Evelyn	*Michigan*
Peterson, Joel Asbury	*Indiana*
Piit, Guadencio E.	*Philippine Islands*
Ralston, John Francis	*Illinois*
Reeves, Dwight Coleman	*Illinois*
Reilly, William Joseph	*Colorado*
Reuther, Theodore Ferdinand	*Illinois*
Riess, Carl John	*Illinois*
Saltiel, Thomas Paine	*Illinois*
Schecter, William	*Illinois*
Schermeister, Harold Edward	*Illinois*
Seuerian, Arshag	*Wisconsin*
Smith, Elizabeth Belle	*Illinois*
Smith, John Frederick	*Ohio*
Sodaro, Joseph Clarence	*Illinois*
Stoops, Richard Boothby	*Illinois*
Tranter, Paul W.	*Illinois*
Tygett, Glenn Joseph	*Illinois*
Wead, John Trimmer	*Illinois*
Wehringer, Henry George	*Illinois*
Wessels, Marie	*Illinois*
White, Mary Agnes	*Illinois*
Wilke, Carl August	*Illinois*
Williams, Frank K.	*Alabama*
Wood, Cordelle Atherton	*Illinois*
Wright, Leon Alton	*Illinois*
Yahya, Mohammed	*Syria*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

SUMMER QUARTER
1920

ANNOUNCEMENT

SUMMER QUARTER OF 1920

THE graduate summer quarter in the Medical Sciences will begin June 7 and end August 28, 1920

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY*

EDMUND JANES JAMES, PH.D., LL.D., PRESIDENT OF THE UNIVERSITY (*on leave*)
DAVID KINLEY, PH.D., LL.D., ACTING PRESIDENT, *Professor of Economics*

ARTHUR HILL DANIELS, PH.D., ACTING DEAN OF THE GRADUATE SCHOOL, *Professor of Philosophy*
ALBERT PRUDEN CARMAN, A.M., D.SC., *Professor of Physics*
ROBERT DANIEL CARMICHAEL, PH.D., *Associate Professor of Mathematics*
JULIUS GOEBEL, PH.D., *Professor of Germanic Languages*
HARRY ALEXIS HARDING, PH.D., *Professor of Dairy Bacteriology*
LAURENCE MARCELLUS LARSON, PH.D., *Professor of History*
HERBERT WINDSOR MUMFORD, B.S., *Professor of Animal Husbandry*
WILLIAM ALBERT NOYES. PH.D., LL.D., *Professor of Chemistry*
WILLIAM ABBOTT OLDFATHER, PH.D., *Professor of Classics*
ELLERY BURTON PAINE, M.S., E.E., *Professor of Electrical Engineering*
STUART PRATT SHERMAN, PH.D., *Professor of English*
ARTHUR NEWELL TALBOT, C.E., *Professor of Municipal and Sanitary Engineering*
HENRY BALDWIN WARD, PH.D., *Professor of Zoology*
CHARLES MAXWELL MCCONN, A.M., *Registrar, Secretary of the Faculty*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

HENRY BALDWIN WARD, Ph.D., *Chairman*
ALBERT CHAUNCEY EYCLESHYMER, Ph.D., M.D.
DAVID JOHN DAVIS, Ph.D., M.D.
WILLIAM HENRY WELKER, Ph.D., *Secretary*

The Teaching Faculty†

1919-20

ALBERT CHAUNCEY EYCLESHYMER, PH.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
DAVID JOHN DAVIS, Ph.D., M.D., *Professor and Head of the Department of Pathology*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
ROY LEE MOODIE, Ph.D., *Assistant Professor of Anatomy*
WILLIAM HENRY WELKER, Ph.D., *Associate Professor of Physiological Chemistry*

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*The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendation of the Dean of the Graduate School.

†The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Graduate Work in the Medical Sciences

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college, as described below, may be admitted to the Graduate School, provided he satisfies the Director and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years, unless the work is done exclusively in the summer quarters.

For purposes of admission to the Graduate School a *standard college* is one which meets the following requirements:

1. An enrollment of not fewer than one hundred students of college grade, with an average for a series of years of at least twenty-five per cent registered in the junior and senior classes.

2. A graduation requirement of four years (120 semester hours) of collegiate grade.

3. A minimum entrance requirement of 14 units. By the minimum requirement is meant the smallest number of units with which a student may be permitted to begin college work, i. e., the nominal requirement minus the number of units of conditions allowed.

4. A requirement that all entrance conditions must be removed before a student may be permitted to begin a second year of work in the same institution.

5. Not less than eight distinct departments in liberal arts and sciences, with at least one professor giving full time to college work in each department.

6. A minimum educational attainment of all college teachers of academic subjects equivalent to graduation from a college of high grade and graduate work equal to that required for the master's degree at the University of Illinois.

7. A maximum of 16 semester hours per week required of college teachers.

8. A maximum enrollment of 30 students in recitation or laboratory sections.

9. Buildings and equipment of the value of at least $100,000.

10. A productive endowment sufficient to yield a net annual income of at least $10,000 available for instructional purposes in the college department (liberal arts and sciences). If the institution offers courses in addition to the usual liberal arts course, it shall have a correspondingly larger income.

11. A library of not less than 10,000 bound volumes in addition to public documents.

12. Laboratory equipment of a value of not less than $3,000 in physics ($4,000 if work is offered in advance of one year course), $2,500 in chemistry, and $2,500 in biology.

13. In addition to the foregoing specific requirements, the general standard of the administration and faculty shall be considered.

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Advisers.—The person in charge of the major work of the student becomes his adviser, and, together with those with whom the student is taking first and second minor courses, forms a committee with general supervision over the student's general course of study. This committee is expected to follow the student's work, to assist him in planning his course and to give him such advice as may be necessary concerning his scholastic career.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of senior year, and then only for minor subjects, and on petition.

If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Director.

GRADUATE WORK IN THE MEDICAL SCIENCES

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

The enrollment of a member of the staff is subject to the approval of the officer to whom he is responsible as a member of the staff and of the Director of the Graduate School with reference to the amount of work to be taken. Before credit may be recorded for such graduate student at the end of a semester, the head of the department in which he is employed, or some one authorized by the head, must certify that the time given to graduate work by the student has not impaired the work for which he is paid by the University.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Students should note that all the work for the master's degree must be done in residence at the University, excepting in the case of members of the staff who have spent half of their time in study through a year at some other institution, and then do the rest of the work required during a year in residence here. This privilege is extended also to high-school teachers residing and employed in Urbana or Champaign.

Credit for work done elsewhere is not transferred. The candidate is examined here on all the work required for the degree.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. See the regulations concerning changes in study lists, page 11 of the Graduate School Circular. If he wishes to withdraw from the University, he must get clearance papers at the Director's office.

Degrees

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practise is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practise may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practise is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Student's work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work. The degree will not be awarded to any student who does not secure a grade of B or higher in three-fourths of the work (number of units) for the degree, including his thesis.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work; or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

A program of studies for a first-year graduate student which is limited exclusively to the investigation of a single problem will not be approved.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation

of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. *In no case will permission to take the degree without the thesis be given by the Director if applied for later than the latest date for the approval of thesis subjects as shown by the calendar.* A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at the time set in the calendar. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

The Degree of Doctor of Philosophy

Majors and Minors.—The requirements for the degree of Doctor of Philosophy are a thoro mastery of a selected field of study, evidence of the power of independent investigation in this field, a broad knowledge of the wider field of study of which this major subject is a part, a general acquaintance with related fields of knowledge, and a mastery of all branches of study which are necessary to a full knowledge of the main subject. Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and second minor. The major subject is the field in which the student expects to become expert and an authority. The first minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The second minor should be chosen outside of the major field of study, and must be so chosen by a candidate who elects a division of his major field for his first minor.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

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[1] No other will be accepted by the Dean. "Instructions for the preparation of theses" may be obtained at the Secretary's office, Room 309.

Credit for work done in other universities is not "transferred." The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

Preliminary Examination.—Towards the end of his second year of study, or, by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Language Examination.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. The test of proficiency in the use of French and German takes place not later than the time of the preliminary examination for admission to candidacy.

Final Examination.—On or before the last Monday in May of the year in which the candidate expects to come up for his degree, he must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but it is not confined to that. It extends to the whole field of the study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied. If, after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

GRADUATE WORK IN THE MEDICAL SCIENCES

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at the times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The doctor's thesis must be printed and one hundred copies deposited in the Library of the University by the candidate, not later than the first of June preceding the conferring of the degree. In form, the printed thesis must follow the "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office on application. If it is not printed by the first of June, the student must, not later than that date, deposit seventy-five dollars ($75) or a bond for that amount satisfactory to the Comptroller of the University and the Dean of the Graduate School. A member of the faculty of the University of Illinois will not be accepted as a guarantor on such a bond. If a bond is accepted, it must be replaced at the end of one year with a cash deposit. At the end of two years, if the thesis has not then been printed by the student, the University will print it or such part of it as is deemed best.

The cash deposit made by the student who does not print his thesis by the end of the second year after his degree is conferred becomes the property of the University, to be used for the general purpose of printing theses.

The title page of each thesis, whether typewritten or printed, must bear the words, "Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in—(here put the major subject)—in the Graduate School of the University of Illinois." The title page must also contain the full name of the author, his previous degrees, the full title of the thesis, the year of imprint, and, if a reprint, the title, volume, and statement of the pagination of the volume from which it is reprinted. Each thesis must have an appendix giving a short biography of the candidate, including the institutions he has attended, his degrees and honors, the titles of his publications, and such other matters as are pertinent.

FEES AND EXPENSES.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	10.00
Incidental fee (semester)	15.00
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	5.00

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to scholars, fellows, or members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from scholars, fellows, or members of the corps of instruction or of the scientific staffs mentioned above.

Graduate Work in the Medical Sciences

Departments of Instruction

ANATOMY

101. Histogenesis.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading. *One unit.*
Professor Eycleshymer, Assistant Professor Moodie

103. Individual Research and Embryology and Histogenesis.—*One or two units.*
Professor Eycleshymer, Assistant Professor Moodie
Moodie.

PHARMACOLOGY

101. Advanced Pharmacodynamics.—Laboratory work.—*One unit.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. Advanced Biological Chemistry.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Associate Professor Welker

103. Biochemical Research.—*One or two units.*
Associate Professor Welker

105. Advanced Physiology.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.*

109. Research Work in Physiology.—*One or two units.*

PATHOLOGY AND BACTERIOLOGY

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases with especial consideration of the rôle that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One unit.*
Professor Davis

103. Individual Research Course.—*One or two units.*
Professor Davis

GRADUATE WORK IN THE MEDICAL SCIENCES

REGISTER OF STUDENTS

Fisch, Max Eleazer—Anatomy. B.S., 1917; M.D., 1919. Chicago.

Heinekamp, Walter John Richard—Pharmacology. B.S., 1919. Chicago.

Kordenat, Ralph August—Pathology. B.S., 1919. Urbana.

Kraft, Adolph—Bacteriology. B.S., 1919. Gilman.

Levinson, Samuel Azor—Anatomy. B.S., 1917; M.D., 1919. Chicago.

Livingston, George Shaynin—Bacteriology. B.S. (Cornell Univ.), 1916. Chicago.

Saelhof, Clarence Charles—Pathology. B.S., 1919. Chicago.

Schacter, Joseph Andrew—Pathology and Bacteriology. B.S., 1919. Chicago.

DEGREES CONFERRED

The degree of Master of Science, conferred August 16, 1919

Max Eleazer Fisch, B.S.
Samuel Azor Levinson, B.S.
Joseph Andrew Schacter, B.S.

LECTURES

The following lectures were delivered before the faculty and students of the Graduate School in Medical Sciences during the session of 1919:

"Transmission of eye-defects induced in rabbits by means of lens-sensitized fowl-serum," Michael F. Guyer, Ph.D., professor of zoology, at the University of Wisconsin.

"Metabolic Gradients," C. M. Child, Ph.D., professor of zoology at the University of Chicago.

"Modes and Age Periods of Infection in Tuberculosis," M. P. Ravenel, M. D., professor of preventative medicine at the University of Missouri.

"Catalase," W. E. Burge, Ph.D., assistant professor of physiology at the University of Illinois.

"Nerve Transplantation," C. Carl Huber, M. D., professor of anatomy at the University of Michigan.

"Malaria, With Especial Reference to Its Control," C. C. Bass, M. D., professor of experimental medicine, Tulane University.

"Giant Cells and Their Rôle in Bone Resorption," Leslie B. Arcy, Ph.D., professor of microscopic anatomy, Northwestern University, Medical School.

"The Influence of Some Chemical Substances on Immunity Reactions," Aaron Arkin, Ph.D., M. D., professor of pathology and bacteriology, University of West Virginia.

Graduate Work in the Medical Sciences

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In addition to the Library of the College of Medicine, the John Crerar Library is easily accessible from the College. In this library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

The Quine Library.—The Library of the College of Medicine contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of many important medical journals. In addition to these the following scientific journals are regularly received. Those marked with an asterisk (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

*_Abstracts of Bacteriology_
*_American Journal of Anatomy_
*_American Journal of Care for Cripples_
*_American Journal of Diseases of Children_
American Journal of Electrotherapeutics & Radiology
*_American Journal of Obstetrics and Diseases of Women and Children_
*_American Journal of Ophthalmology_
*_American Journal of Physical Anthropology_
*_American Journal of Physiology_
American Journal of Roentgenology
*_American Journal of the Medical Sciences_
*_American Journal of Syphilis_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
Annales de Gynecologie et d' obstetrique
Annales de Dermatologie et de Syphiligraphie
*_Annales de l'Institut Pasteur_
*_Annals of Medical History_
*_Annals of Ophthalmology_
*_Annals of Otology, Rhinology and Laryngology_
*_Annals of Surgery_
*_Annals of Tropical Medicine and Parasitology_
*_L'Année Biologique_
Arbeiten des pharmaceutischen Instituts der Universität Berlin
*_Arbeiten der pharmaceutischen Institut zu Dorpat_
Archiv der Pharmazie
*_Archiv für Anatomie und Physiologie (Anatomische Abtheilung)_
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*_Archiv für Pathologische Anatomie und Physiologie (Virchow)_
Archiv der Pharmazie
*_Archiv für Protistenkunde_

GRADUATE WORK IN THE MEDICAL SCIENCES

**Archiv für Schiffs-und Tropen-Hygiene*
**Archiv für Zellforschung*
**Archives d'Anatomie miscroscopique*
**Archives de Biologie*
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**Archives de Physiologie, Normal et Pathologie*
**Archives of Internal Medicine*
**Archives of Ophthalmology*
**Archives of Pediatrics*
Archives of Radiology and Electrotherapy
Archives of the Roentgen Ray
**Archives Russes d'Anatomie, d' Histologie et d'Embryologie*
**Archivio Italiano di Anatomia e di Embriologia*
**Beitraege zur pathologischen Anatomie und zur allgemeinen Pathologie*
Bulletin de la Société Francaise Dermatologie et de Syphiligraphiè
Berichte über die Versammlungen der ophthalmologischen Gesellschaft
**Berliner klinische Wochenschrift*
**Biochemical Bulletin*
**Biochemical Journal*
**Biochemische Zeitschrift*
**Biological Bulletin*
**Biologisches Zentralblatt*
Biophysikalisches Zentralblatt
**Boston Medical and Surgical Journal*
**Brain*
British Dental Journal
**British Gynecological Journal*
British Journal of Children's Diseases
**British Journal of Dental Science*
**British Journal of Ophthalmology*
**British Journal of Surgery*
**British Medical Journal*
**Bulletin de l'Académie de Medicine*
**Bulletin de l'Institut Pasteur*
Bulletins et Mémoires de la Société Médicale des hôpitaux de Paris
**Bulletin of the Society of Medical History of Chicago*
Bulletin de la Société de Pathologie Exotique
**Canadian Medical Association Journal*
**Centralblatt für allgemeine Pathologie und Pathologische Anatomie*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Originale*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Referate*
**Centralblatt für Innere Medizin*
**Centralblatt für Nervenheilkunde und Psychiatrie*
Centralblatt für praktische Augenheilkunde
**Chemical Abstracts*
**Chemisches Centralblatt*
**Chicago Pathological Society, Transactions*
**Comptes Rendus des Séances de la Société de Biologie*
Correspondenzblatt für Schweizer Aerzte
**Dental Cosmos*
**Dermatologische Zeitschrift*
**Deutsches Archiv für klinische Medicin*
Deutsche Monatsschrift für Zahnheilkunde
**Endocrinology*
**Ergebnisse der allgemeinen Pathologie und Pathologischen Anatomie*
**Ergebnisse der Anatomie und Entwickelungsgeschichte*
Ergebnisse der inneren Medizin und Kinderheilkunde
**Ergebnisse der Physiologie*
Folia Hæmatologica. Originale
Folia Hæmatologica. Referate
Folia Urologica

Graduate Work in the Medical Sciences

Fortschritte auf dem Gebiete der Röntgenstrahlen
**Fortschritte der Medicin*
**Frankfurter Zeitschrift für Pathologie*
**Gegenbaur's morphologisches Jahrbuch*
**Heart*
**Index Catalogue of the Surgeon-General's Office*
**Index Medicus*
Indian Journal of Medical Research
International Medical Digest
Internationale Monatsschrift für Anatomie und Physiologie
**Jahrbuch für Kinderheil kunde*
**Jahresbericht über die Fortschritte der Anatomie und Entwickelungsgeschichte*
**Jahresbericht über die Fortschritte der Tier-Chemie (Maly)*
**Jahresbericht über die Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilze und Protozoen*
**Jahresbericht über die Leistungen und Fortschritte auf dem Gebiete der Neurologie und. Psychiatrie*
**Jahresbreicht über die Leistungen und Fortschritte in der Anatomie und Physiologie (Waldeyer-Posner)*
**Jahresbreicht über die Leistungen und Fortschritte in der gesamten Medizin (Constatt) (Virchow-Hirsch)*
**Jahresbericht über die Ophthalmologie*
**Jahreskurse für aèrztliche Fortbildung*
Jenaische Zeitschrift für Naturwissenschaft
**Johns Hopkins Hospital. Bulletin*
**Johns Hopkins Hospital. Reports*
**Journal of Agricultural Research*
Journal of Advanced Therapeutics
**Journal of American Medical Association*
**Journal of American Public Health Association*
**Journal of Anatomy and Physiology*
**Journal of Association of Military Surgeons*
**Journal of Association of Official Agricultural Chemists*
**Journal of Bacteriology*
**Journal of Biological Chemistry*
**Journal of Cancer Research*
**Journal de Chirurgie*
**Journal of Comparative Neurology*
**Journal of Cutaneous Diseases*
**Journal of Dental Research*
**Journal of Experimental Medicine*
**Journal of Experimental Zoology*
**Journal of General Physiology*
**Journal of Genetics*
**Journal of Hygiene*
**Journal of Immunology*
**Journal of Industrial Hygiene*
**Journal of Infectious Diseases*
**Journal of Laboratory and Clinical Medicine*
**Journal of Medical Research*
**Journal of Morphology*
**Journal of Nervous and Mental Diseases*
**Journal of Obstetrics and Gynecology of the British Empire*
**Journal of Parasitology*
**Journal of Pathology and Bacteriology*
**Journal of Pharmacology and Experimental Therapeutics*
**Journal de Physiologie et de Pathologie Générale*
**Journal of Physiology*
Journal of Royal Microscopical Society
**Journal of Tropical Medicine and Hygiene*
Journal de Urologie
**Journal of Urology*
**Klinische Monatsblätter für Augenheilkunde*
**Lancet*
**Mayo Clinics*
**Medical Clinics of Chicago*

Graduate Work in the Medical Sciences

**Medical Clinics of North America*
Medical Journal of Australia
**Medical Record*
**Medicine and Surgery*
Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte
**Mental Hygiene*
**Military Surgeon*
Mitteilungen aus der medizinischen Fakultät der kaiserlichen Universität zu Tokyo
**Mitteilungen aus den Grenzgebieten der Medizin und Chirurgie*
**Modern Medicine*
Monatshefte für praktische Dermatologie
**Monatsschrift für Geburtshülfe und Gynækologie*
Monatsschrift für Ohrenheilkunde
**Münchener medizinische Wochenschrift*
**Neurologisches-Centralblatt*
**La Névraxe*
New Orleans Medical & Surgical Journal
**New York Medical Journal*
**New York Pathological Society, Proceedings*
**Ophthalmic Record*
**Ophthalmic Year Book*
**Parasitology*
**Pediatrics*
**Pennsylvania Medical Journal*
Philippine Journal of Science
**Physiological Abstracts*
**Practitioner*
**Praktische Ergebnisse der Geburtshilfe und Gynäkologie*
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**Proceedings of the Society for Experimental Biology and Medicine*
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**Quarterly Journal of Medicine*
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**Royal Lond. Ophthalmic Hospital Reports*
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**Schmidt's Jahrbücher der in-und ausländischen gesamten Medizin*
**Schweizer Archiv für Neurologie und Psychiatrie*
**Science*
**Scientific Monthly*
**Skandinavisches Archiv für Physiologie*
**Surgery, Gynecology and Obstetrics*
Surgical Clinics of John B. Murphy
**Surgical Clinics of Chicago*
**Therapeutische Monatshefte*
Therapie der Gegenwart
U. S. Dept. of Agriculture Experiment Station Record
**United States Naval Medical Bulletin*
**Verhandlungen der deutschen pathologischen Gesellschaft*
Wiener Medizinische Wochenschrift
**Zeitschrift für allgemeine Physiologie*
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Zeitschrift für Geburtshülfe und Gynäkologie
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**Zeitschrift für Immunitätsforschung und experimentelle Therapie. Originale*
**Zeitschrift für Immunitätsforschung und experimentelle Therapie. Referate*

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Zeitschrift für klinische Medizin

**Zeitschrift für Krebsforschung*

**Zeitschrift für physikalische und diätetische Therapie*

**Zeitschrift für physiologische Chemie (Hoppe-Seyler)*

Zeitschrift für wissenschaftliche Mikroskopie und für mikroskopische Technik

Zentralblatt für Biochemie und Biophysik

**Zentralblatt für Chirurgie*

**Zentralblatt für Gynäkologie*

**Zentralblatt für innere Medizin*

**Zentralblatt für Physiologie*

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UNIVERSITY OF ILLINOIS

College of Medicine

1921-22

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For catalogs and information address

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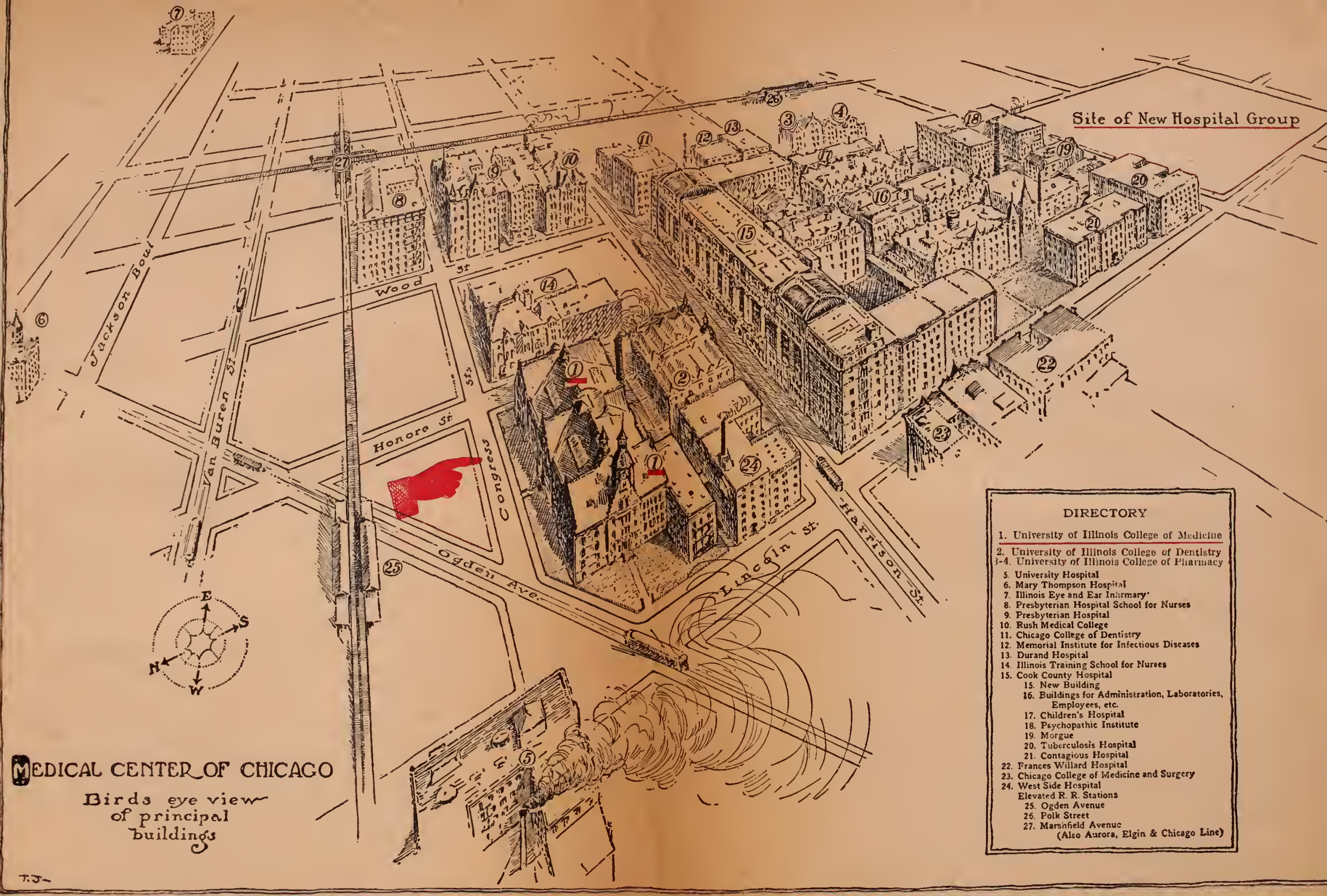
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MEDICAL CENTER OF CHICAGO
Birds eye view of principal buildings

DIRECTORY

1. University of Illinois College of Medicine
2. University of Illinois College of Dentistry
3-4. University of Illinois College of Pharmacy
5. University Hospital
6. Mary Thompson Hospital
7. Illinois Eye and Ear Infirmary
8. Presbyterian Hospital School for Nurses
9. Presbyterian Hospital
10. Rush Medical College
11. Chicago College of Dentistry
12. Memorial Institute for Infectious Diseases
13. Durand Hospital
14. Illinois Training School for Nurses
15. Cook County Hospital
    15. New Building
    16. Buildings for Administration, Laboratories, Employees, etc.
    17. Children's Hospital
    18. Psychopathic Institute
    19. Morgue
    20. Tuberculosis Hospital
    21. Contagious Hospital
22. Frances Willard Hospital
23. Chicago College of Medicine and Surgery
24. West Side Hospital

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PUBLISHED BY THE UNIVERSITY
1921

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JANUARY.

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23	24	25	26	27	28	29
30	..	..	..	..	..	..

MAY.

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JUNE.

S	M	T	W	T	F	S
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JULY.

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AUGUST.

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27	28	29	30	31	..	..
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SEPTEMBER

S	M	T	W	T	F	S
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24	25	26	27	28	29	30
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OCTOBER.

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15	16	17	18	19	20	21
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29	30	31	..	..	..	..
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NOVEMBER.

S	M	T	W	T	F	S
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19	20	21	22	23	24	25
26	27	28	29	30	..	..
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DECEMBER.

S	M	T	W	T	F	S
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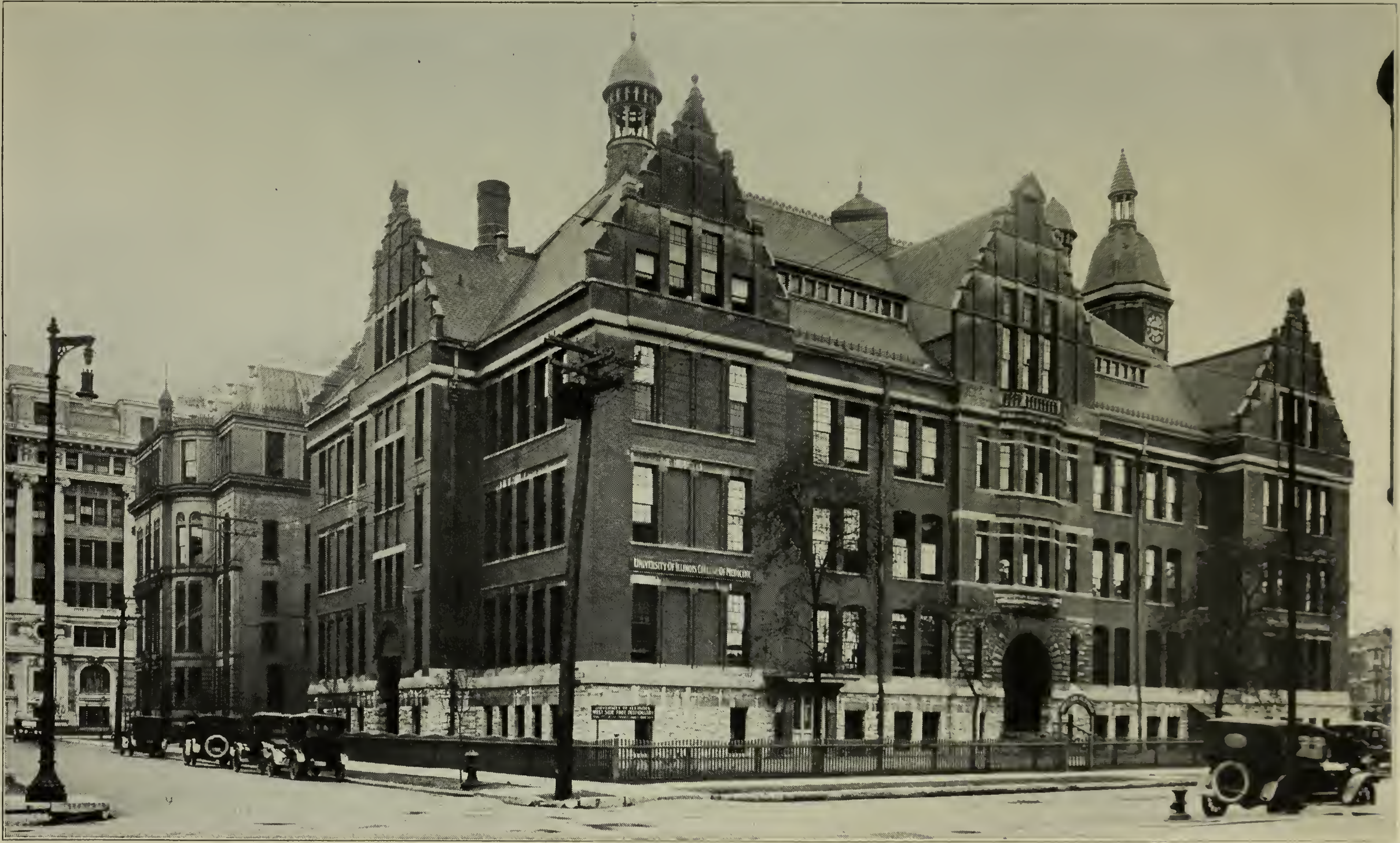
24	25	26	27	28	29	30
31	..	..	..	..	..	..


UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE
WEST SIDE FREE DISPENSARY

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

Cook County Hospital in the Background

COLLEGE CALENDAR

1921-1922

FIRST SEMESTER

September 12-16—Monday-Friday
Entrance examinations

September 19-24—Monday-Saturday
Examination for removal of conditions

September 19—Monday
Registration begun

September 26—Monday, 8 a. m.
First semester begun

October 1—Saturday
Registration closes

November 23—Wednesday, 12 m.
Thanksgiving recess begun

November 28—Monday, 8 a. m.
Instruction resumed

December 22—Thursday, 6 p. m.
Holiday recess begun

January 3, 1922—Tuesday, 8 a. m.
Instruction resumed

January 30-February 3—Monday-Friday
Semester examinations

SECOND SEMESTER

February 6—Monday, 8 a. m.
Second semester begun

February 12—Sunday
Lincoln Day

February 22—Wednesday
Washington Day

April 12—Wednesday, 6 p. m.
Easter recess begun

April 17—Monday, 8 a. m.
Instruction resumed

May 30—Tuesday
Memorial Day

May 31-June 9—Wednesday-Friday
Final examinations ended

June 9—Friday
Class Day and Alumni meetings

June 14—Wednesday
Fifty-first annual commencement

ADMINISTRATIVE OFFICERS

1921-1922

David Kinley, Ph.D., LL.D., President

Albert Chauncey Eycleshymer, B.S., Ph.D., M.D., *Dean*

George Philip Tuttle, B.S., *Registrar*

Office of Secretary

William Henry Browne, *Secretary and Business Manager of the Chicago Departments.*

Edward C. Fletcher, *Assistant Superintendent of Buildings and Purchasing Agent*

George Lester Truby, *Director of Employment and Student Information Bureau*

UNIVERSITY COMMITTEES

Committee on Medical Education

Eycleshymer (Chairman), Ochsner, Ward

Discipline Committee of the Chicago Professional Schools

Welker (Chairman), Browne, Thomas, Day

STANDING COMMITTEES

Committee on Catalog

Welker (Chairman), Browne, Heintz

Committee on Curriculum

Eycleshymer (Chairman), Bacon, Barrett, Davis, Davison, Dreyer, McGuigan, Welker, Williamson

Committee on Dispensary

Brown (Chairman), Browne, Harger, Lang, Mosser

Committee on Hospital Affiliation

Bacon (Chairman), Ochsner, Singer, Brown, Davis, Davison, McGuigan

Committee on Library

Davis (Chairman), Loomis, Moodie, Sippy, Tice

Committee on Optional Courses

Dreyer (Chairman), Bacon, Davison, Davis, McGuigan

Committee on Physicians' Courses

Pierce (Chairman), Barrett, Brown, Davis, Goodkind, Hess

THE COLLEGE OF MEDICINE

(Congress and Honore Steets, Chicago)

FACULTY

1920-1921

David Kinley, Ph.D., LL.D.......................*President*

Emeritus

William Edward Quine, M.D., LL.D..........*Professor of Medicine,* Emeritus
Henry Parker Newman, A.M., M.D......*Professor of Gynecology,* Emeritus
Henry Turman Byford, A.M., M.D......*Professor of Gynecology,* Emeritus
Oscar Augustus King, M.D .*Professor of Neurology and Psychiatry,* Emeritus
William Allen Pusey, A.M., M.D........*Professor of Dermatology,* Emeritus
Daniel Atkinson King Steel, M.D., LL.D.....*Professor of Surgery,* Emeritus
Casey A. Wood, A.M., M.D.............*Professor of Ophthalmology,* Emeritus
Frank Breckenridge Earle, M.D............*Professor of Pediatrics,* Emeritus
Adolph Gehrmann, M.D......................*Professor of Hygiene,* Emeritus

Maurice Louis Goodkind.......................*Professor of Clinical Medicine*

B.A., Williams, 1886; M.D., Columbia, 1889.

Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology Northwestern. 1893-96; Attending Physician, County Hospital, 1904—, Michael Reese Hospital, 1893—; Lieut. Col. M. R. C., Director of Medicine, U. S. Army, 1918.

George Peter Dreyer..*Professor of Physiology and Physiological Chemistry and Head of Department.*

B.A., Johns Hopkins, 1887, Ph.D., 1890.

Fellowship in Physiology, Johns Hopkins, 1889-90. Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor Physiology, Illinois (Medical School), 1900, 1907; Junior Dean, 1913-1915.

Albert John Ochsner.............*Professor of Surgery and Clinical Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.

Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—.

Charles Spencer Williamson..*Professor of Medicine and Head of Department.*

B.S., Cincinnati, 1893; M.D., Cincinnati, 1896; M.S., Cincinnati, 1901.

Associate Attending Physician, Cook County Hospital, 1902-1903; Member of Cook County Consulting Staff, 1904-1913; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-1904; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-1911; Professor of Medicine and Clinical Medicine, Illinois, 1912-1913; Professor of Medicine and Head of the Department, Illinois, 1913—.

Charles Sumner Bacon..*Professor of Obstetrics and Head of Department of Obstetrics and Gynecology.*

Ph.B., Beloit, 1878; M.D., Northwestern, 1884.

Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—, Director, Chicago Lying-In Hospital, 1908—.

Charles Davison.............*Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.

Professor of Surgical Anatomy, Illinois, 1899-1900, Adjunct Professor of Clinical Surgery, 1900-03, Adjunct Professor of Surgery and Clinical Surgery, 1903-04, Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

Frederick Tice...................................*Professor of Medicine*

M.D., Rush, 1894.

Assistant Professor of Diseases of the Chest, Illinois, 1903, Professor of Diseases of the Chest, 1905-17; Head of Department of Medicine, Illinois, 1917-19; Chief Physician, County Institutions, 1897-1899; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

Joseph McIntyre Patton............................*Professor of Medicine*

M.D., New York, 1882.

Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901, Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-1919; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-1920; Consulting Physician, Park Av. Hospital, 1905—.

Channing Whitney Barrett..*Professor of Gynecology and Clinical Gynecology and Head of Division.*

M.D., Detroit, 1895.

Instructor in Medicine, Illinois, 1897-1898; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Adjunct Professor of Clinical Gynecology, Illinois, 1901-1909; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-1910; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-1915; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-1912; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—; Attending Surgeon (Gynecologist, West Side Hospital, 1914—.

Norval Pierce..*Professor of Laryngology, Rhinology and Otology and Head of Department.*

M.D., College of Physicians and Surgeons, Chicago, 1885.

Surgeon Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose and Throat; Laryngologist and Otologist. Michael Reese Hospital, Passavant Memorial Hospital; Attending Otologist, Rhinologist and Laryngologist, St. Luke's Hospital.

Albert Edward Halstead...........*Professor of Surgery and Clinical Surgery*

M.D., Northwestern, 1890.

Professor, Principles and Practise of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon St. Luke's Hospital.

Albert Chauncey Eycleshymer..*Dean of the College; Professor and Head of Department of Anatomy, Histology, and Embryology.*

B.S., Michigan, 1891; Ph.D., Chicago, 1894; M.D., St. Louis, 1910.

Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93; Assistant, 1893-95; Associate in Anatomy, 1895-97; Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96, studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98; Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-01; Assistant Professor Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1913; Junior Dean, Illinois (Medical School), 1915-1916; Member National Board of Medical Examiners. Dean, 1917—.

William McIntire Harsha........*Professor of Surgery and Clinical Surgery*

B.S., National Normal University, Lebanon, O., 1876, B.A., 1877; M.D., Northwestern, 1883; Lecturer in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

David John Davis..*Professor of Pathology and Bacteriology and Head of Department.*

B.S., Wisconsin, 1898; Ph.D., Chicago, 1905; M.D., Rush, 1903.

Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13.

Julius Hayes Hess..*Professor of Pediatrics and Clinical Pediatrics and Head of Division.*

M.D., Northwestern, 1899.

Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—; Winifield T. B. Sanitarium, 1914—, Jackson Pk. Sanitarium for Children, 1917—; Member of Advisory Board Children's Bureau, Department of Labor, Washington.

Hugh Alister McGuigan..*Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department.*

B.S., North Dakota Agri. College, 1898; Ph.D., Chicago, 1906; M.D., Rush, 1908.

Assistant Professor of Chemistry, North Dakota Agri. College and Expt. Sta., 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

Edward Vail Lapham Brown..*Professor of Ophthalmology and Head of Department.*

M.D., Rush, 1898; B.S., Chicago, 1902.
Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1907-14; Eye Surgeon, Cook County Hospital, 1914-18; Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917-18; Instructor and Assistant Professor of Ophthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-1917.

Harold Douglas Singer.........*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900, M.R.C.P., 1901.
Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas's Hospital, London, 1898-99; Assistant Superintendent Clinical Laboratory, St. Thomas's Hospital, 1899-00; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-02; Resident Assistant Physician, St. Thomas's Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Dept. of Public Welfare, State of Illinois, 1917—.

Charles Edward Humiston......................*Professor of Clinical Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896.
Surgeon Cook County Hospital, 1902—, West Suburban Hospital, 1914;
Instructor in Surgery, Illinois, 1905-06; Assistant Professor of Surgery, 1906; Adjunct Professor of Surgery, 1907-12; Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13; Associate Professor of Surgery and Clinical Surgery, 1913-14; Associate Professor of Clinical Surgery, 1914-18.

Henry Foster Lewis...........*Professor of Obstetrics and Clinical Obstetrics*

A.B., Harvard, 1885; M.D., Harvard, 1888.
Professor of Physical Diagnosis, Physicians and Surgeons, Chicago, 1891-1893; Assistant Professor of Obstetrics and Gynecology, Rush, 1899-1907; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-1918; Attending Obstetrician, Cook County Hospital, 1906-1908; Attending Surgeon, Cook County Hospital, 1908-1913; Attending Obstetrician, Cook County Hospital, 1913—.

Herman Morris Adler..*Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence.*

A.B., Harvard, 1897; A.M., Columbia, 1901; M.D., Columbia, 1901.
Assistant Children's Clinic, Charite, Berlin, 1904-1905; Assistant in Clinical Pathology, Harvard, 1906-1909; Instructor in Neuropathology and Psychiatry, Harvard, 1909-1912; Pathologist and Assistant Physician, Danvers State Hospital, Massachusetts, 1909-1912; Chief of Staff, Psychopathic Hospital, Boston, 1912-1916; Assistant Professor of Psychiatry, Harvard, 1912-1916.

ASSOCIATE PROFESSORS

Rachelle S. Yarros...*Associate Professor of Obstetrics and Clinical Obstetrics*

M.D., Pennsylvania Woman's Medical College. 1893.
Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-In Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919-21.

Joseph Clar Beck..*Associate Professor of Laryngology, Rhinology and Otology*

M.D., College of Physicians and Surgeons, Chicago, 1895.
Laryngologist, Rhinologist and Otologist, University Hospital, North Chicago Hospital, Cook County Hospital.

Nelson Mortimer Percy..............*Associate Professor of Clinical Surgery*

M.D., Rush, 1899.
Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—.

Charles Mayor Jacobs...*Associate Professor of Clinical Surgery (Orthopedic)*

M.D., Northwestern, 1894.
Attending Orthopedic Surgeon, Cook County Hospital, Home for Destitute Crippled Children, Michael Reese Hospital.

Frank Smithies..........................*Associate Professor of Medicine*

M.D., Michigan, 1904.
Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, Univ. of Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief in Diseases of the Alimentary Tract, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt. Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913—; Medical Consultant, U. S. Marine Hospital, Chicago, 1918—.

Edward Louis Heintz.........................*Associate Professor of Medicine*

Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901.
Assistant Professor of Materia Medica, Illinois, 1901-03; Adjunct Professor Materia Medica, 1903-12; Assistant Professor of Medicine and Clinical Medicine, 1913-18; Attending Physician, University Hospital, 1908—; Attending Physician, Policlinic Hospital of Chicago, 1912-15, 1918-19; Attending Physician Cook County Hospital, 1918-20.

MAURICE LEWISON..................*Associate Professor of Physical Diagnosis*

M.D., Northwestern. 1906.

Instructor in Neurology and Diseases of the Chest, Illinois, 1908-09; Instructor in Diseases of the Chest, 1909-12; Professor of Physical Diagnosis, 1912-18; Assistant Professor of Physical Diagnosis, 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

GEORGE FARNSWORTH THOMPSON..*Associate Professor of Surgery and Clinical Surgery.*

B.S., Wisconsin, 1896; M.D., Rush, 1899.

Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906-20; West Side Hospital, 1910—.

ARTHUR RICHARD ELLIOTT......................*Associate Professor of Medicine*

M.D., Queen's Univ. Canada, 1889. C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—.

JOHN WEATHERSON.........................*Associate Professor of Medicine*

C.E., Cornell, 1895; M.D., Illinois, 1900.

Instructor in Medicine, Illinois, 1901-10; Assistant Professor of Medicine, Illinois, 1910-17; Special Work, Harvard Graduate Medical School, 1919; Member of Attending Staff, Chicago Hospital, 1901-08; Member of Attending Staff, Lakeside Hospital, 1908-14; Member of Attending Staff, South Shore Hospital, 1919—.

OTTO HERMAN ROHRLACK..*Associate Professor of Obstetrics and Clinical Obstetrics.*

M.D., Northwestern, 1902; Ph.G., Northwestern, 1892.

Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-In Hospital, 1910—. Cook County Hospital, 1917—, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19.

WILLIAM HENRY WELKER......*Associate Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund), 1910-11; Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19.

OTTO FREDERIC KAMPMEIER.....................*Associate Professor of Anatomy*

B.A., Iowa, 1909; Ph.D., Princeton, 1912; Fellow, Princeton, 1909-12; Graduate Student, Munich (Germany), 1912.

Instructor in Anatomy, Pittsburg, 1912-15; Assistant Professor of Anatomy, Pittsburg, 1915-18; Instructor in Anatomy, Illinois, 1918-19; Associate Professor of Anatomy, Marquette, 1919; Head of Department of Anatomy, Marquette, 1920.

SIDNEY STRAUSS..............................*Associate Professor of Medicine*

A.B., Harvard, 1901; M.D., Harvard, 1904.

Assistant in Medicine, Rush, 1906-09; Associate in Medicine, Rush, 1909-10; Instructor in Medicine, Rush, 1910-11; Assistant Professor of Medicine, 1911-20; Associate Attending Physician, Michael Reese Hospital, 1912—; Assistant Attending Physician, Presbyterian Hospital (Chicago), 1913-19; Attending Physician, Cook County Hospital, 1920—.

GEORGE BORIS HASSIN.......................*Associate Professor of Neurology*

M.D., Imperial University of Kazan, Russia, 1897.

Instructor in Nervous and Mental Diseases, 1909-13; Attending Neurologist, Cook County Hospital, 1913—; Histologist to Illinois Psychopathic Institute, 1920—.

ISIDORE LEON MEYERS.......................*Associate Professor of Neurology*

M.D., Northwestern, 1905.

*FRANK DONALD MOORE.........................*Associate Professor of Surgery*

M.D., Illinois, 1899.

Member of Staff, University Hospital, 1915—.

ROY LEE MOODIE..............................*Associate Professor of Anatomy*

A.B., Kansas, 1905; Ph.D., Chicago, 1908.

Assistant Professor of Zoology, Kansas, 1908-13.

KARL ALBERT MEYER....................*Associate Professor of Clinical Surgery*

M.D., Illinois, 1908.

Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18 Medical Warden, Cook County Hospital, 1914—.

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*Resigned.

ASSISTANT PROFESSORS

John Michael Lang........*Assistant Professor of Gynecology and Obstetrics*
M.D., Illinois, 1900.
Member of Staff, West Side Hospital, 1912—.

Edward Franklin Leonard................*Assistant Professor of Neurology*
M.D., Illinois, 1903.
Assistant Physician, Jacksonville State Hospital, 1905-13; Instructor in Psychiatry, Illinois, 1913-14, Instructor in Neurology, 1913-15; Consulting Neurologist, Convent of Good Shepherd, 1915—.

Charles Morgan McKenna..*Assistant Professor of Surgery (Genito-Urinary)*
B.S., Chicago, 1903; M.D., Rush, 1905.
Surgeon, St. Joseph's Hospital.

Benjamin Franklin Lounsbury....*Assistant Professor of Operative Surgery*
B.L., Wisconsin, 1902; M.D., Northwestern, 1907.
Surgeon in Charge, Washington Blvd. Hospital, 1913—.

Henry Bascom Thomas..........*Assistant Professor of Surgery (Orthopedic)*
B.S., Chicago, 1899; M.D., Northwestern, 1903.
Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery, 1905-09; Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—, County Hospital, 1908—; Chief Orthopedic Surgeon, Cook County Hospital, 1913-20; Member of Consulting Staff, T. M. Hospital.

Charles Francis Read..........................*Assistant Professor of Psychiatry*
B.S., Beloit, 1898; M.D., Rush, 1901.

John Ross Harger...........*Assistant Professor of Surgery and Minor Surgery*
B.S., Chicago, 1904; M.D., Rush, 1906.
Assistant in Clinical Surgery, Illinois, 1908-10; Instructor in Clinical Surgery, 1910-12; Assistant Professor of Junior Surgery and Minor Surgery, 1912-13; Instructor in Junior and Minor Surgery, 1913-16; Associate in Surgery and Minor Surgery, 1916-18.

Frank Chauvet.....................*Assistant Professor of Physical Diagnosis*
M.D., Illinois, 1907.
Instructor in Junior Medicine, Histology and Embryology, Illinois. 1910-13; Instructor in Physical Diagnosis, 1913-17; Associate in Physical Diagnosis, 1917-18. Member Consulting Staff, Cook County Hospital, T. B. Dept., 912—, Member Medical Staff, University Hospital, 1914—, Norwegian American Hospital, 1918—.

Maurice Lamm Blatt.......................*Assistant Professor of Pediatrics*
M.D., Rush, 1903.
Instructor in Pediatrics, Illinois, 1914-16; Associate in Pediatrics, Illinois, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal T. B. Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, T. B., 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-1915; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20; Attending Physician, Pediatric Department, Cook County Hospital, 1920; Consulting Pediatrician, Illinois Eye and Ear Infirmary, 1921—.

Walter Howard Meents......................*Assistant Professor of Surgery*
B.S., Northwestern, 1904; M.D., Rush 1907; Diploma, Vienna, 1911.
Assistant Instructor in University of Marburg, Germany, 1910; Instructor in Surgery, Rush, 1913-19.

Ralph Chess Purnell Truitt..*Assistant Professor of Neurology and Psychiatry*
M.D., Maryland, 1910.
Clinical Instructor in Psychiatry, Baltimore Medical College and College of Physicians and Surgeons, Baltimore, 1912-13; Assistant Physician, New Jersey State Hospital. Trenton, 1910-12; Physician-in-Chief, City Hospital, and Physician in Out Patient Department, Johns Hopkins Hospital, Baltimore, 1912-13; First Assistant Resident Physician, Phipps Psychiatric Clinic, Johns Hopkins Hospital, 1913-14; Medical Director State Hospital, Jackson, La., 1914-15; Senior Physician, State Hospital, Trenton, N. J., 1915-17.

Cassius Clay Rogers.........................*Assistant Professor of Surgery*
A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M., Valparaiso, 1908.
Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and Head of the Department of Surgery, Chicago College of Medicine and Surgery, 1905-15.

Josiah John Moore..........*Assistant Professor of Pathology and Bacteriology*
S.B., Montana, 1907; M.S., Chicago, 1915; M.D., Rush, 1912.
Assistant in Biology, Montana, 1905-07; Fellow in Pathology, Chicago, 1909-10; Research Fellow, Memorial Institute for Infectious Diseases, 1910-11; Special Assistant in Pathology, Chicago, 1911-12; Fellow in Otho Sprague Memorial Institute, 1912-13;

Pathologist, Ravenswood Hospital. 1912; Instructor to M.O.A.C., U. S. Navy, 1917 (Summer); Associate in Experimental Medicine, Illinois, 1913-18; Associate in Pathology and Bacteriology, Illinois, 1918-19; Pathologist, St. Bernard's Hospital, 1920—.

ERNEST SISSON MOORE.................*Assistant Professor of Clinical Medicine*

Ph.B., DePauw, 1892; M.D., Illinois, 1903.

Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10: Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18.

HENRY EUGENE IRISH.........................*Assistant Professor of Pediatrics*

M.D., Illinois, 1901.

Instructor in Junior Medicine, Illinois, 1911-14; Instructor in Pharmacology and Therapeutics, 1904-11; Instructor in Pediatrics, 1914-17; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital, 1916—, Attending Physician, Cook County Hospital (Contagious), 1917—; Associate in Pediatrics, Illinois, 1918-19.

CHARLES HERBERT PHIFER.......................*Assistant Professor of Surgery*

M.D., Illinois, 1902.

Instructor in Junior Medicine, Illinois, 1902-07; Instructor in Senior Surgery, Illinois, 1908-16; Instructor in Surgery, Illinois, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914-20; Associate in Surgery, Illinois, 1918-19.

EGAN WALTER FISCHMANN..................*Assistant Professor of Gynecology*

M.D., Rush, 1906.

Instructor in Gynecology, Illinois, 1912-18; Associate in Gynecology, Illinois, 1918-19; Instructor in Medicine, Illinois, 1907-11.

ADOLPH HARTUNG.......................*Assistant Professor of Roentgenology*

M.D., Illinois, 1908.

Instructor in Radiology, Illinois, 1912-14; Instructor in Roentgenology, 1914-18.

Roentgenologist, Cook County Hospital, 1909-13, Alexian Bros. Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16; Associate in Roentgenology, Illinois, 1918-19.

GEORGE WILLIAM BOOT.....................*Assistant Professor of Laryngology Rhinology and Otology*

M.D., Sioux City College of Medicine, 1893; M.D., University of Pennsylvania 1898.

Assistant Professor of Otology, Rush Medical College, 1920; Assistant Otologist, Presbyterian Hospital, Chicago; Attending Surgeon, Ear, Nose and Throat, Cook County Hospital; Attending Staff of St. Francis Hospital, Evanston.

HARRY CULVER..................*Assistant Professor in Genito-Urinary Surgery*

B.S., Wisconsin, 1910; M.D., Rush, 1913; M.S., Illinois, 1918.

Instructor in Medicine, Illinois, 1915-18; Instructor in Genito-Urinary Diseases, Illinois, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

RAYMOND WILLIAM MCNEALY...........*Assistant Professor of Clinical Surgery*

M. D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13; Instructor in Senior Neurology, Psychiatry and Junior Medicine, 1912-13; Instructor in Senior Surgery, 1913-14: Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—.

GEORGE LUTHER DAVENPORT.............*Assistant Professor of Clinical Surgery*

M.D., Illinois, 1907.

Associate Attending Surgeon, Michael Reese Hospital, 1913—; Attending Surgeon, Cook County Hospital, 1920—

FRANCES EUGENE SENEAR..................*Assistant Professor of Dermatology*

B.S., Michigan, 1912, M.D., 1914.

Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital; Consulting Dermatologist, Illinois Central R. R.; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19; Attending Dermatologist, St. Bernard's Hospital, 1921—.

ARTHUR REUBEN COOPER........................*Assistant Professor of Anatomy*

B.A., Toronto, 1910, M.A., 1911; Ph.D., Illinois, 1917.

Class Assistant in general Biology, Toronto, 1909-11, Demonstrator in Zoology, 1911-12, Fellow and Demonstrator in Zoology, 1912-14; Lecturing Demonstrator in Zoology, 1914-15; Fellow in Zoology, Illinois, 1915-16; Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station. 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19; Associate in Anatomy, 1919-20.

ROBERT WOOD KEETON....*Assistant Professor of Pharmacology and Therapeutics*

B.S., Chicago, 1906, M.S., 1913; M.D., Northwestern, 1916.

Assistant in Physiology, Illinois, 1910-12; Adjunct Professor, Physiology, Albany Medical College, 1912-14; Assistant in Pharmacology, Northwestern, 1914-16; Assistant in Physiology, Chicago, 1914-16 (summer); Assistant in Pharmacology, Illinois, 1917-18; Instructor in Pharmacology and Therapeutics, Illinois, 1918-19.

ASSOCIATES

George John Lorch.................................*Associate in Medicine*

Ph.G., Chicago College of Pharmacy, 1895; M.D., Illinois, 1901.

Instructor in Materia Medica, Illinois, 1906-07; Instructor in Materia Medica and Clinical Medicine, 1907-12; Instructor in Materia Medica and Therapeutics, 1912-13; Instructor Junior Medicine, 1913-14; Instructor in Medicine, 1914-18; Assistant Attending Physician, University Hospital, 1908—.

Walter Bradford Metcalf.............................*Associate in Medicine*

M.D., Northwestern, 1894.

Instructor in Diseases of the Chest, Illinois, 1912-1914; Instructor in Clinical Medicine, 1914-18; Attending Physician, Cook County Hospital, 1914-15; Consulting Physician, Chicago Municipal T. B. Sanitarium, Cook County Hospital.

Albert John Schoenberg..............................*Associate in Gynecology*

M.D., Illinois, 1899.

Instructor in Gynecology, Illinois, 1910-18; Surgeon, Deaconess Hospital, 1907—.

Arrie Bamberger...*Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.

Instructor in Pediatrics, Illinois, 1910-11; Assistant Professor of Pediatrics, 1911-12; Assistant Professor Clinical Pediatrics, 1912-13; Instructor Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910-20; Attending Surgeon, Illinois General Hospital, 1921—.

Oscar Eugene Nadeau........*Associate in Surgery and Instructor in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.

Instructor of Photography, Wisconsin, 1910-11; Instructor, Surgical Pathology, Illinois, 1911-18. Pathologist, St. Mary of Nazareth Hospital, 1912-13; Chief Assistant to Drs. Ochsner and Percy, Augustana Hospital, 1916-1917; Associate Surgeon and Director of Laboratories, St. Mary of Nazareth Hospital, 1917; Consulting Surgeon, Contagious Diseases Hospital, 1918.

Franklin Samuel Wilson.............................*Associate in Medicine*

Ph.G., Illinois, 1894; M.D., 1911.

Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents Physician; Examining Physician for Juvenile Home and Court.

Edward Francis Garraghan........................*Associate in Laryngology Rhinology and Otology*

A.B., St. Ignatius College, 1895, A.M., 1905; M.D., Illinois, 1901.

Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois. 1914-18; Assistant Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1908—; Attending Oculist and Aurist, Municipal T. B. Sanitarium, 1918—; Attending Oculist and Aurist, Sheridan Park Hospital, 1920—.

Walter Henry Theobald.. *Associate in Laryngology, Rhinology and Otology*

S.B., Chicago, 1911; M.D., Rush, 1911.

Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1916-18; Rhinologist and Laryngologist, St. Luke's Hospital, 1915—.

Paul Gerhard Albrecht....*Associate in Physiology and Physiological Chemistry*

Ph.D., Stanford, 1917.

Assistant in Chemistry, Stanford, 1913-14. Professor of Chemistry, Western Reserve Univ., College of Pharmacy, 1914-17.

Frank Lee Stone.....................................*Associate in Gynecology*

M.D., Illinois, 1910.

Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

John Perley Sprague.........................*Associate in Orthopedic Surgery*

A.B., Bates College, 1898; M.D., Northwestern, 1903.

Clinical Assistant in Neurology, Northwestern, 1903-1905; Professor of Hygiene, Grinnell College, 1914-1917; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—.

John Weston Nuzum...............*Associate in Pathology and Bacteriology Associate in Hygeine*

B.S., Wisconsin, 1912; M.D., Rush, 1915.

Director of Laboratories, Cook County Hospital, 1916-19; Chief Surgical Assistant, Augustana Hospital, 1919—.

Samuel Nye Clark..................*Associate in Neurology and Psychiatry*

M.D., Illinois, 1909.

Assistant in Medicine (Neurology), Rush, 1914-18; Assistant Physician, Kankakee State Hospital, 1910-13; Physician, State Psychopathic Institute, Kankakee, 1913-17; Assistant Psychiatrist and Psychiatrist, Juvenile Psychopathic Institute, Chicago, 1917-18; Psychiatrist, State Psychopathic Institute, 1918—.

James Montrose Duncan Olmstead.................*Associate in Physiology*

A.B., Middlebury, 1907; B.A., Oxford, 1911; M.A., Oxford, 1914; M.A., Harvard, 1918; Ph.D., Harvard, 1920.

Professor of Natural Science, Shorter College, 1911-12; Associate Professor of Biology, Richmond College, 1912-15; Assistant in Zoology, Harvard, 1916-17; Austin Teaching Fellow, Harvard, 1919-20.

JACQUES HOLINGER...........*Associate in Laryngology, Rhinology and Otology*
M.D., University of Basel, 1890.
Assistant Ear, Nose and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology and Otology, Illinois, 1919.

JOHN CHARLES MATTHEW KRASA.......................*Associate in Medicine*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—.

STEPHEN ROMAN PIETROWICZ...........................*Associate in Medicine*
A.B., St. Stanislaus, 1910; M.D., Illinois, 1898.
Professor of Medicine, Chicago College of Medicine and Surgery, 1910-17; Attending Physician, St. Mary's Hospital, 1900-10; Attending Physician, Cook County Hospital, 1911-12; Physician in Chief, St. Mary's Hospital, 1910-20; Physician in Chief and Superintendent of Dunning Institution, 1911-12; Head Physician of St. Elizabeth's Tubercular Dispensary, Municipal Tuberculosis Sanatorium, 1907-12.

WILLIAM F. PETERSEN...............................*Associate in Pathology*
S.B., Chicago, 1909; M.D., Rush 1912.
Instructor Pathology, Columbia, 1913-14; Assistant Professor of Experimental Medicine and Pathology, Vanderbilt, 1914-17.

HENRY LESTER BAKER..................................*Associate in Surgery*
M.D., Illinois, 1898.
Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital 1915; Instructor in Surgery, Illinois, 1912-19.

WALTER CHARLES HAMMOND............................*Associate in Obstetrics*
M.D., Illinois, 1911.
Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19.

LESTER EDWARD BOWER..............................*Associate in Pediatrics*
A.B., Illinois, 1912; M.D., Northwestern, 1914
Attending Pediatrician, Montrose Ave. Hospital; Attending Physician, Department of Contagious Diseases, Cook County Hospital; Attending Physician, Department of Pediatrics, Cook County Hospital, 1918-19; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum.

GEORGE WASHINGTON POST, JR.....................*Associate in Clinical Surgery*
A.B., Milton College, 1905. M.S., 1909; M.D., Illinois, 1909.
Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

JOSEPH CLARK STEPHENSON...............................*Associate in Anatomy*
B.S., Chicago, 1907; Ph.D., Wisconsin, 1916.
Fellow in Embryology, Chicago, 1908-09; Assistant in Embryology, Chicago, 1909-10, 1911-12; Research Associate, Carnegie Institute, 1909; Assistant in Zoology, Wisconsin, 1912-13; Instructor in Embryology, Cincinnati, 1915-16; Assistant Professor in Embryology, Cincinnati, 1916-17; Professor and Head of the Department of Anatomy, University of Oklahoma, 1919.

ANDY MORTON CARR..........................*Associate in Ophthalmology*
B.A., North Dakota, 1913; M.D., Rush 1915.
Resident Physician in Eye, Cook County Hospital, 1917-18.

JAMES CRAIG SMALL..................................*Associate in Medicine*
B.S., Pennsylvania College. 1911; M.D., Illinois, 1917.
Instructor in Bacteriology, Washington University, 1919; Instructor in Medicine, Illinois, 1919-20.

WILLIAM JOSEPH QUIGLEY.............................*Associate in Medicine*
B.S., Wisconsin, 1911; M.D., Rush, 1913.
Attending Staff, Cook County Hospital (Tuberculosis), 1919—.

LECTURERS

ELMER DE WITT BROTHERS.................*Lecturer on Medical Jurisprudence*
B.S., Valparaiso, 1882; LL.B., Michigan, 1892.
Lecturer on Dental Jurisprudence, Illinois, 1895-1912; Lecturer and Instructor, John Marshall Law School, 1903—; Author of Dental and Medical Jurisprudence, 1914.

MATTHEW MILLS................*Alternate Lecturer on Medical Jurisprudence*
A.B., Yale, 1900; LL.B., Northwestern, 1903.
Instructor, John Marshall Law School, 1903—.

BERNARD JOHN CIGRAND.......................*Lecturer on History of Medicine*
B.S., Northern Indiana Normal School. 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.
President and Head of Prosthetic Dentistry, Northwestern (Dental) 1892-1899; Secretary and Dean, Illinois (Dental) 1899-1904.

INSTRUCTORS

Annie Esther Barron-Harrison........................*Instructor in Obstetrics*
M.D., Illinois, 1902.
Superintendent, University Dispensary, 1892-1914; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1912—.

Harry Jerome Smejkal..............*Instructor in Surgery (Genito-Urinary)*
M.D., Illinois, 1908.
Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

Archie James Graham....................*Instructor in Surgery (Operative)*
B.S., Illinois, 1902. M.D., 1902.

Edward Morton Heacock................................*Instructor in Obstetrics*
M.D., Illinois, 1908—.
Instructor in Medicine, Illinois, 1910-11; Instructor in Medicine, Rush, 1911-13; Instructor in Anatomy, Illinois, 1913-15.

Thomas Smith Jones..........*Instructor and Artist in department of Anatomy*
B.F.A., St. Louis, 1908.

Horry Matthew Jones..............*Instructor in Pathology and Bacteriology*
B.S., Chicago, 1913; Ph.D., Northwestern, 1916.
Instructor in Physiological Chemistry, Chicago, 1917.

Solomon Maxwell Goldberger..........................*Instructor in Pediatrics*
M.D., Illinois, 1908.
Attending Physician, Jewish Aid Dispensary, 1908-10; St. Margaret's Hospital, Hammond, Ind., 1910-15; Norwegian Deaconess Hospital, 1916—; Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—.

Charles Francis Yerger....*Instructor in Laryngology, Rhinology and Otology*
M.D., Northwestern, 1905.
Instructor in Medicine, Illinois, 1905-07; Instructor in Operative Surgery, Illinois, 1907-11; Instructor in Oto-laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye. Ear, Nose and Throat), House of Correction, 1913-20; Illinois Charitable Eye and Ear Infirmary, 1913—; Attending Oto-Laryngologist, Cook County Hospital, 1920—.

William Clyde Comee.......*Instructor in Laryngology, Rhinology and Otology*
M.D., Illinois, 1908.

Hiram Jason Smith........*Instructor in Laryngology, Rhinology and Otology*
M.D., Illinois, 1907.
Instructor in Medicine, Illinois, 1909-10; Staff Physician, Illinois State Hospitals (Mental and Nervous Diseases), 1909-17; Superintendent Illinois Charitable Eye and Ear Infirmary, 1917-20; Attending Staff, St. Joseph's Hospital, 1919—; Attending Staff, Illinois Central Hospital, 1919—.

Marcus Hatfield Hobart..................*Instructor in Surgery (Orthopedic)*
A.B., Northwestern, 1912; M.D., Northwestern, 1915.

Hartley Farnham Mars..............*Instructor in Surgery (Genito-Urinary)*
Ph.C., Northwestern, 1912; M.D., Illinois, 1917.

Frank Joseph Jirka......................................*Instructor in Medicine*
M.D., Northwestern, 1910.
Assistant Professor of Medicine, College of Medicine and Surgery, Valparaiso University, 1912-13; Assistant in Physical Diagnosis, Illinois, 1913-17.

Grover Tracy.............................*Instructor in Physiological Chemistry*
A. B., Pennsylvania College, 1909.
Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18.

Clyde Mason Snow...........*Instructor in Materia Medica and Pharmacology*
Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.
Instructor in Chemistry of Drugs, Harvey Medical College, 1903-04; Lecturer on Pharmacognosy, Harvey Medical College, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois, 1902-10; Acting Professor of Pharmacy, Illinois, 1910-11; Assistant Professor of Pharmacy, Illinois, 1911-19; Associate Professor of Pharmacy, Illinois (School of Pharmacy), 1919-20; Professor of Pharmacy (Illinois), 920—.

Clyde F. Karshner.......................................*Instructor in Medicine*
A.B., Michigan, 1905; M.D., Michigan, 1908.

Thomas John Sullivan, Jr..................*Instructor in Orthopedic Surgery*
M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

Isadore Pilot.......................................*Instructor in Pathology*
M.D., Illinois, 1917; B.S., Chicago, 1919.

Albert Vander Kloot.................................*Instructor in Medicine*
M.D., Illinois, 1915.
Assistant in Medicine, Illinois, 1918-19.

Harold Stacey Hulbert...............*Instructor in Neurology and Psychiatry*
M.D., Michigan, 1914.
Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Hospital, Great Lakes, 1917-18; Assistant Physician, Chicago State Hospital, 1919—.

Julius Ernest Lackner...............................*Instructor in Obstetrics*
B.S., Chicago, 1907; M.D., Rush, 1910.
Associate Gynecologist, Michael Reese Hospital, 1912—.

Max Meyerovitz...............................*Instructor in Clinical Surgery*
M.D., Illinois, 1907.
Assistant in Clinical Surgery, University Hospital, 1910—; Assistant in Clinical Surgery, Illinois, 1913-19.

Leo Anthony Juhnke........................*Instructor in Clinical Gynecology*
M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14; Instructor in Gynecology, 1915-16; Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-18; Attending Physician, Home of Good Shepherd; Assistant in Gynecology, Illinois, 1918-19.

Edwin Christian Schmitt...............................*Instructor in Surgery*
A.B., Kansas, 1912, A.M., 1913; M.D., Rush, 1917.
Fellow in Zoology, Kansas, 1912; Fellow and Assistant in Anatomy, Chicago, 1913-15. Assistant in Operative Surgery, Illinois, 1918-19; Assistant Radiologist, Washington Boulevard Hospital, 1919—.

Jacob W. Holderman..................*Instructor in Surgery (Genito-Urinary)*
A.B., De Paul, 1909; M.D., Rush, 1918.

Samuel Azor Levinson..............*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1919; M.S., Illinois, 1919; M.D., Illinois, 1919.

Frank George Murphy.......................*Instructor in Orthopedic Surgery*
B.S., Minnesota, 1913; M.D., Rush, 1915.

Harry Victor Atkinson...........................*Instructor in Pharmacology*
B.S., Ohio, 1911.
Instructor in Physiological Chemistry, Northwestern, 1914-17; Instructor in Physiology, Cornell, 1917-18.

Dennis Rider Wood Crile...................*Instructor in Orthopedic Surgery*
B.S., Wisconsin, 1914; M.D., Harvard, 1917.
Instructor in Surgery, Western Reserve, 1920.

Chester Herbert Lockwood.......................*Instructor in Ophthalmology*
M.D., Rush, 1907.

Frank Brazzil Kelly...............................*Instructor in Physiology*
B.S., Chicago, 1918; M.D., Rush, 1921.

Hans Nachtigall...................................*Instructor in Obstetrics*
M.D., Chicago College of Medicine and Surgery, 1913.
Assistant to Professor Koblanek (Gynecology and Obstetrics) and of Professor K. Branenburg (Internal Medicine) at the Rudolph Virchow Krankenhaus, Berlin, Germany, 1913-14.

James Tobias Groot................................*Instructor in Physiology*
S.B., Chicago ,1920; B.S., Illinois, 1921.
Assistant in Physiology, Illinois, 1916-20.

Lyndon Harris................................*Instructor in Clinical Surgery*
M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

Hallard Beard..................................*Instructor in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

Hubert Prather Saunders...........................*Instructor in Physiology*
A.B., Missouri, 1917; M.D., Illinois, 1919.

Isador Michael Levin..............................*Instructor in Pediatrics*
S.A., Chicago, 1914; S.B., Chicago, 1916; M.D., Rush, 1919.

ASSISTANTS

Goldye Hoffman.......................................*Assistant in Gynecology*
M.D., Illinois, 1916.

Clara Grace Gottschalk..........................*Assistant in Clinical Surgery*
M.D., Illinois, 1916.

Craig Dunn Butler....................................*Assistant in Pediatrics*
B.S., Earlham, 1914; M.D., Rush, 1918.

Joseph K. Calvin.......................................*Assistant in Pediatrics*
S.B., Chicago, 1916; M.D., Rush, 1918.

William Turner Rogers...............................*Assistant in Medicine*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Arthur Ray Metz..........................*Assistant in Operative Surgery*
A.B., Indiana, 1909; M.D., Rush, 1911.
Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—.

Charles Edward Watts..........................*Assistant in Operative Surgery*
B.S., Idaho, 1913; M.D., Rush, 1918.
Fellow in Pathology, Chicago, 1915-17; House Physician, Washington Boulevard Hospital, 1919—.

Robert Rowlaine Mustell.....................*Assistant in Operative Surgery*
B.S., Illinois, 1917; B.A., Washington State College, 1919; M.D., Illinois, 1919.

Vincent Brendan Bowler...............................*Assistant in Medicine*
B.S., Chicago, 1917; M.D., Rush, 1919.

Aubrey Humphrey Pember.............................*Assistant in Obstetrics*
M.D., Northwestern, 1918.

Robert James Hyslop...................................*Assistant in Medicine*
B.S., Wisconsin, 1917; M.D., Rush, 1919.

Elmer William Mosley..................................*Assistant in Medicine*
Ph.G., Valparaiso, 1903; M.D., Illinois, 1911.

Jesse Louis Bollman....................*Assistant in Physiological Chemistry*
A.B., Illinois, 1917; M.S., Michigan, 1918.
Assistant, Bacteriology, Michigan, 1917-18; Instructor, Bacteriology, Michigan, 1918.

Leo Jacob Jacobson.....................................*Assistant in Medicine*
M.D., Illinois, 1916.
Clinician, Chicago Tuberculosis Institute, 1919.

William Alexander Malcolm...........................*Assistant in Medicine*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Anna Isham Robinson..................................*Assistant in Pediatrics*
A.B., Nebraska Wesleyan Univ., 1907; M.D., Illinois, 1914.

Woodruff Lynden Crawford..........................*Assistant in Obstetrics*
B.S., Illinois, 1918; M.D., Illinois, 1920.

David Solomon Beilin............*Assistant in Pharmacology and Therapeutics*
B.S., Illinois, 1917; M.D., Illinois, 1919.

Phillip Rosenblum.....................................*Assistant in Pediatrics*
M.D., Northwestern, 1913.

Frank Max Wittelle.....................................*Assistant in Medicine*
B.S., Illinois, 1919; M.D., Illinois, 1920.

Paul Sterling Carley....................................*Assistant in Surgery*
B.S., Illinois, 1918; M.D., Illinois, 1921.

Frederick Christopher......................*Assistant in Experimental Surgery*
B.S., Northwestern, 1911; M.D., Johns Hopkins, 1915.
Assistant Surgeon, St. Luke's Hospital, 1920.

Sidney R. Kaliski.......................................*Assistant in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.

Gerald Deland Gernon................*Assistant in Surgery (Genito-Urinary)*
B.S., Illinois, 1918; M.D., Illinois, 1920.

Walter Rathfon Fischer.................... *Assistant in Orthopedic Surgery*
B.S., Illinois, 1919; M.D., Illinois, 1920.

Albert Eric Olson.. *Assistant in Obstetrics*
B.S., Illinois, 1918; M.D., Illinois, 1920.

Robert Clifton Cantwell.................... *Assistant in Operative Surgery*
B.S., Wisconsin, 1918; M.D., Rush, 1920.

Maxwell P. Borovsky.................................. *Assistant in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.
Resident Physician, Cook County Children's Hospital, 1920-21.

Benjamin Braude.............................. *Assistant in Operative Surgery*
B.S., Chicago, 1906; M.S., Chicago, 1907; M.D., Rush, 1909.
Instructor in Neurology, Illinois, 1911-14; Assistant in Ear, Nose and Throat, Rush, 1914-15; Assistant in Anatomy, Illinois, 1919-20.

Virgil Sheetz Counseller................................ *Assistant in Surgery*
B.S., Chicago, 1918; M.D., Rush, 1919.
Assistant in Embryology, Histology and Neurology, Ohio, 1916.

Hanby Lewis Ford.. *Assistant in Surgery*
B.S., Illinois, 1918; M.D., Illinois, 1920.

Irving Robert Browning...................... *Assistant in Operative Surgery*
B.S., Michigan, 1912; M.D., Rush, 1919.
House Physician, Washington Blvd. Hospital, 1920.

Carl T. Stephen.. *Assistant in Physiology*
B.S., Wisconsin, 1917; M.D., Rush, 1919.

Robert Ludwick Furby................................ *Assistant in Pediatrics*
M.D., Illinois, 1913.
Resident Surgeon, St. Elizabeths Hospital, 1913—.

William Franklin Moncreiff.................... *Assistant in Ophthalmology*
S.B., Vanderbilt, 1913; M.S., Vanderbilt, 1913; M.D., Rush, 1917.

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

SURGERY:

Charles Davison, A.M., M.D. .... *Attending Surgeon*
Max Meyerovitz, M.D. .... *Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D. .... *Assistant Attending Surgeon*
Henry Lester Baker, M.D .... *Assistant Attending Surgeon*

MEDICINE:

Edward Louis Heintz, Ph.G., M.D. .... *Attending Physician*
Ralph Sherman Michel, M.D. .... *Attending Physician*
George John Lorch, Ph.G., M.D. .... *Assistant Attending Physician*
Frank Chauvet, M.D. .... *Assistant Attending Physician*
John Mathew Krasa, M.D. .... *Assistant Attending Physician*

OBSTETRICS:

Charles Sumner Bacon, Ph.B., M.D., ... *Attending Obstetrician*
Otto Herman Rohrlack, Ph.G., M.D. .... *Assistant Attending Obstetrician*
Annie Barron-Harrison, M.D. .... *Assistant Attending Obstetrician*

GENITO-URINARY SURGERY:

Walter Caron, Ph.G., M.D. .... *Attending Genito-Urinary Surgeon and Dermatologist*
Harry Culver, M.S., M.D. .... *Attending Urologist*
William Henry Bradley, M.D. .... *Assistant Genito-Urinary Surgeon and Dermatologist*

PEDIATRICS:

Henry Eugene Irish, M.D. .... *Attending Pediatrician*
Vandy Frank Masilko, Ph.G., M.D. .... *Assistant Attending Pediatrician*

DISEASES OF THE EYE:

William Elliot Gamble, B.S., M.D. .... *Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D. .... *Attending Ophthalmologist*
William Butler West, M.D. .... *Assistant Attending Ophthalmologist*

DISEASES OF THE NOSE AND THROAT:

Karl Albert Meyer, M.D. .... *Attending Laryngologist and Rhinologist*

ORTHOPEDIC SURGERY:

John Perley Sprague, A.B., M.D. .... *Attending Orthopedic Surgeon*

RÖNTGENOLOGY AND PATHOLOGY:

Don J. Royer, M.D. .... *Pathologist and Röntgenologist*

GRANT HOSPITAL OF CHICAGO

CONSULTING STAFF

Surgery—Dr. L. L. McArthur, 122 S. Michigan Ave.; Dr. Jacob Frank, 25 E. Washington St.; Dr. Arthur Dean Bevan, 122 S. Michigan Ave.

Internal Medicine—Dr. O. L. Schmidt, 5 S. Wabash Ave.; Dr. Gustave Schirmer, 1101 S. Ashland Ave.

Pathology—Dr. F. Robert Zeit, 4016 Vincennes Ave.

Nose and Throat—Dr. Frederick Menge, 25 E. Washington St.

Roentgen Department—Dr. M. J. Hubeny, 25 E. Washington St.

ATTENDING STAFF

Surgery—Dr. A. G. Zimmerman, 30 N. Michigan Ave.; Dr. Sylvan Coombs, 25 E. Washington St.; Dr. F. H. Pirnat, 2422 Smalley Court; Dr. H. Edward Sauer, 25 E. Washington St.; Dr. Wm. Hessert, 547 Fullerton Ave.

Medicine—Dr. W. S. Orth, 5 S. Wabash Ave.; Dr. Henry Hartung, 722 Diversey Blvd.; Dr. John Siebel, Jr., 32 N. State St.; Dr. Alex. Stevenson, 104 S. Michigan Ave.

Gynecology—Dr. Ernst Saurenhaus, 59 Bellevue Place; Dr. T. J. Doederlein, 25 E. Washington St.

Obstetrics—Dr. C. S. Bacon, 2156 Sedgwick St.; Dr. W. A. Stuhr, 2733 N. Clark St.; Dr. Julius E. Lackner, 5 S. Wabash Ave.

Eye—Dr. Ludwig Abele, 209 S. State St.; Dr. Theodore Wild, 30 N. Michigan Ave.; Dr. O. H. Kraft, 25 E. Washington St.

Ear, Nose and Throat—Dr. J. Holinger, 5 N. Wabash Ave.; Dr. G. T. Von Colditz, 25 E. Washington St.

Nervous Diseases—Dr. Peter Bassoe, 30 N. Michigan Ave.

Cenito-Urinary Surgery and Dermatology—Dr. L. E. Schmidt, 5 S. Wabash Ave.; Dr. H. A. Kraus, 25 E. Washington St.

Pediatrics—Dr. Ernst Lackner, 31 N. State St.; Dr. G. Edwin Baxter, 4601 Broadway

Anesthetics—Dr. J. E. H. Atkiesson, 1954 Milwaukee Ave.

Roentgen Department—Dr. P. G. Kitterman, 2614 Cottage Grove Ave.

ST. ELIZABETH HOSPITAL

ATTENDING HOSPITAL STAFF

SURGERY:

W. C. Sanford, B.S., M.D.	*Attending Surgeon*
Martin G. Luken, M.D.	*Attending Surgeon*
E. E. Henderson, M.D.	*Attending Surgeon*
A. Zimmermann, M.D.	*Attending Surgeon*
E. N. Redden, M.D.	*Attending Surgeon*
M. O. Hoover, M.D.	*Attending Surgeon*
J. V. Fowler, M.D.	*Attending Surgeon*
L. H. Zeuch, M.D.	*Attending Surgeon*
M. A. Geir, M.D.	*Attending Surgeon*
E. K. Avery, M.D.	*Assistant Attending Surgeon*
J. P. Woitalewicz, M.D.	*Assistant Attending Surgeon*
C. S. Krysinski, M.D.	*Assistant Attending Surgeon*

MEDICINE:

B. S. Milton, M.D.	*Attending Physician*
W. F. Jacobs, M.D.	*Attending Physician*
P. J. Latz, M.D.	*Attending Physician*
A. E. Malachowski, M.D.	*Attending Physician*
A. W. Lakemeyer, M.D.	*Attending Physician*
J. W. Kramps, M.D.	*Assistant Attending Physician*
C. E. Brinkenhoff, M.D.	*Assistant Attending Physician*
G. W. Cassady, M.D.	*Assistant Attending Physician*
Leopold Frankl, M.D.	*Assistant Attending Physician*
C. F. Goetzinger, M.D.	*Assistant Attending Physician*
H. W. Berard, M.D.	*Assistant Attending Physician*
A. J. Behrendt, M.D.	*Assistant Attending Physician*
M. A. Bisdorf, M.D.	*Assistant Attending Physician*
A. J. Alçorn, M.D.	*Assistant Attending Physician*
F. A. Dulak, M.D.	*Assistant Attending Physician*

GYNECOLOGY:

Ernst Saurenhaus, M.D.	*Attending Gynecologist*
P. A. Sullivan, M.D.	*Attending Gynecologist*
Oscar Ofner, M.D.	*Attending Gynecologist*
M. A. Stober, M.D	*Assistant Attending Gynecologist*

DISEASES OF THE EYE, NOSE AND THROAT:

A. G. Wippern, M.D.	*Attending Ophthalmologist*
Oscar Cleff, M.D.	*Attending Ophthalmologist*
H. C. Welcker, M.D.	*Attending Ophthalmologist*

NEUROLOGY:

A. E. Luckhardt, M.D.	*Attending Neurologist*

DERMATOLOGY:

E. F. Fischkin, M.D. . . . . *Attending Dermatologist*

PATHOLOGY:

L. A. Garness, M.D . . . . *Attending Pathologist*

DENTISTRY:

A. H. Koch, D.D.S. . . . . *Attending Dental Surgeon*

CHICAGO POLICLINIC AND HOSPITAL

ATTENDING STAFF

Surgery—Malcolm L. Harris, M.D.; Edwin M. Smith, M.D.; William Hessert, M.D.; Norman Kerr, M.D., Paul Morf, M.D.; John A. Graham, M.D.

Orthopedics—Edwin W. Ryerson, M.D.

Operative Surgery and Surgical Anatomy—Irving Perrill, M.D.

Genito-Urinary—Wm. T. Belfield, M.D.; Louis E. Schmidt, M.D.; Robert H. Herbst, M.D.

Skin—R. D. MacArthur, M.D.; Lucius C. Pardee, M.D.; Frank E. Simpson, M.D.

Gynecology—A. Belcham Keyes, M.D.; Channing W. Barrett, M.D.; Harvey Tyler, M.D.; C. Von Bachelle, M.D.

Obstetrics—Charles S. Bacon, M.D.; F. D. Hollenbeck, M.D.; John W. Birk, M.D.

Medical and Physical Diagnosis—O. L. Schmidt, M.D.; J. M. Patton, M.D.; A. F. Stevenson, M.D.; O. W. McMichael, M.D.; J. F. Hultgen, M.D.

Stomach—G. Fütterer, M.D., C. S. Williamson, M.D., Aloys Heinen, M.D.

Pediatrics—Sam. J. Walker, M.D.; P. E. Grabow, M.D.

Neurology—Hugh T. Patrick, M.D.; Sydney Kuh, M.D.; James C. Gill, M.D.; J. W. Davis, M.D.

Eye—George W. Mahoney, M.D.; Charles H. Francis, M.D.; Herbert Walker, M.D.; Otto Wipper, M.D.

Ear, Nose and Throat—C. M. Robertson, M.D.; G. F. Fiske, M.D.; Otto T. Freer, M.D.; David Fiske, M.D.; J. Wendell Clark, M.D.; J. M. Bick, M.D.; G. W. Mosher, M.D.

Pathology, Bacteriology and Microscopy—John A. Graham, M.D.

THE COLLEGE OF MEDICINE

OF THE

UNIVERSITY OF ILLINOIS

GENERAL INFORMATION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide and a three-story brick annex. It contains three lecture rooms, a clinical amphitheater, an assembly hall seating seven hundred, a number of smaller recitation rooms, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

In addition to this building there are under construction other buildings which will house the following: a General Hospital, the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and an Orthopedic Institute. These will be available for teaching and research purposes under the co-operative plan adopted by the State Department of Public Welfare and the University of Illinois.

The laboratories are equipped for both routine instruction and advanced work, with special research facilities. The more important general features of the equipment include: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a Roentgen laboratory, in which facilities are provided for the X-ray work of the entire school, especially of the dispensary, where it is used for diagnostic and therapeutic purposes; a photographic outfit, equipped for various kinds of work, including micro-photography; a work shop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

Dispensary

The Dispensary occupies the first floor and part of the second floor of the College Building. It is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. Twenty-seven thousand and six treatments were given in 1920-1921. Six thousand nine hundred and eighty new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

The Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year, it has cared for 59,500 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

The University Hospital is located at the corner of Congress and Lincoln streets, opposite the College. The Directors of the hospital are members of the faculty of the College. Beside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1920-21.

There is no charge for admission to these clinics.

The selection of internes for this hospital is limited to graduates of the College.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, corner of Lincoln and Cleveland avenues, contains 200 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

The Michael Reese Hospital, corner of 29th street and Groveland avenue, is composed of three separate buildings: the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for Children, with 125 beds, and the Nelson Morris Institute for Medical Research.

The St. Luke's Hospital, 1437 Michigan avenue, has 320 beds, of which one-third may be used for clinical purposes.

The Illinois Charitable Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear including those of the nose and throat. It has accommodations for nearly two hundred inpatients. The ambulatory service is the largest in the west of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over thirty thousand. The state has appropriated $505,000 for a new building and this will be erected in the near future. The enormous material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose and throat, is accessible for study to the students of the school.

The St. Mary's of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

The St. Joseph's Hospital, 2100 Burling street, capacity 240.

The West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 153 beds, including 6 infant beds.

The Grant Hospital, 549-559 Grant place, has a capacity of 160 beds, including 35 infant beds.

The St. Elizabeth's Hospital, 1433 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 120 beds, including 6 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

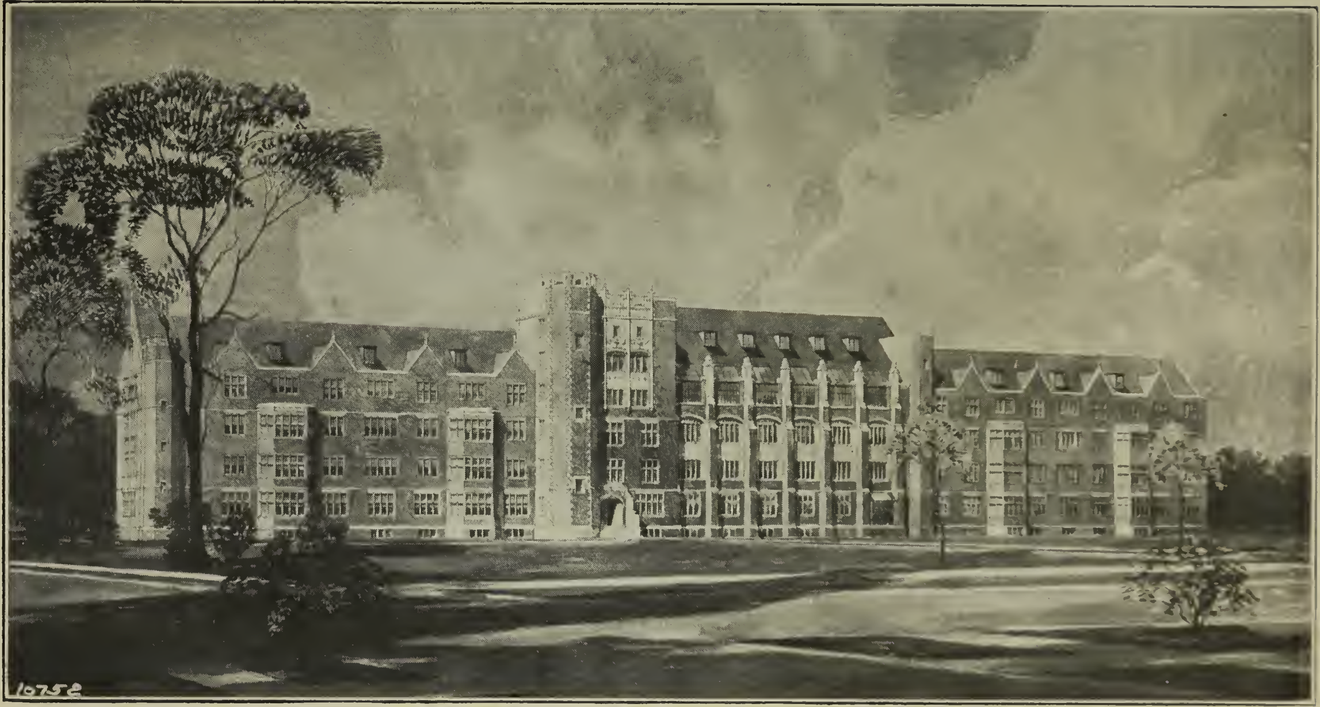
LIBRARY FACILITIES

The Quine library of the University of Illinois Colleges of Medicine and Dentistry is housed on the second floor of the medical building. It contains 22,915 bound volumes and a number of reprints and separates. The pharmacy collection occupies a part of the main floor of the School of Pharmacy building. It contains 3,856 volumes, and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections, many of the departments of the three schools are supplied with working libraries.

The John Crerar Library, containing files of journals, monographs, separates and standard texts, covering practically the entire field of medicine, is easily accessible from the College.

The collections of the library include the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry, and pharmacy.

The following are the gifts to the library during the year 1920-21: Mrs. John M. Harper, 228 volumes as a memorial gift in honor of her husband, the late Dr. John M. Harper; Dr. J. B. Hassin, 47 volumes; Dr. H. T. Byford, 60 volumes, of which 47 are available for use.



MAIN BUILDING AS VIEWED FROM THE NORTHEAST

ANNOUNCEMENT OF NEW HOSPITAL FACILITIES

The General Assembly of 1919 appropriated $300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics and gynecology, but it will not provide for the teaching and investigation which must be developed in connection with the specialties such as crippled and deformed children, the demented and insane, venereal diseases, tuberculosis, cancer, diseases of the eye, ear, nose and throat, etc.

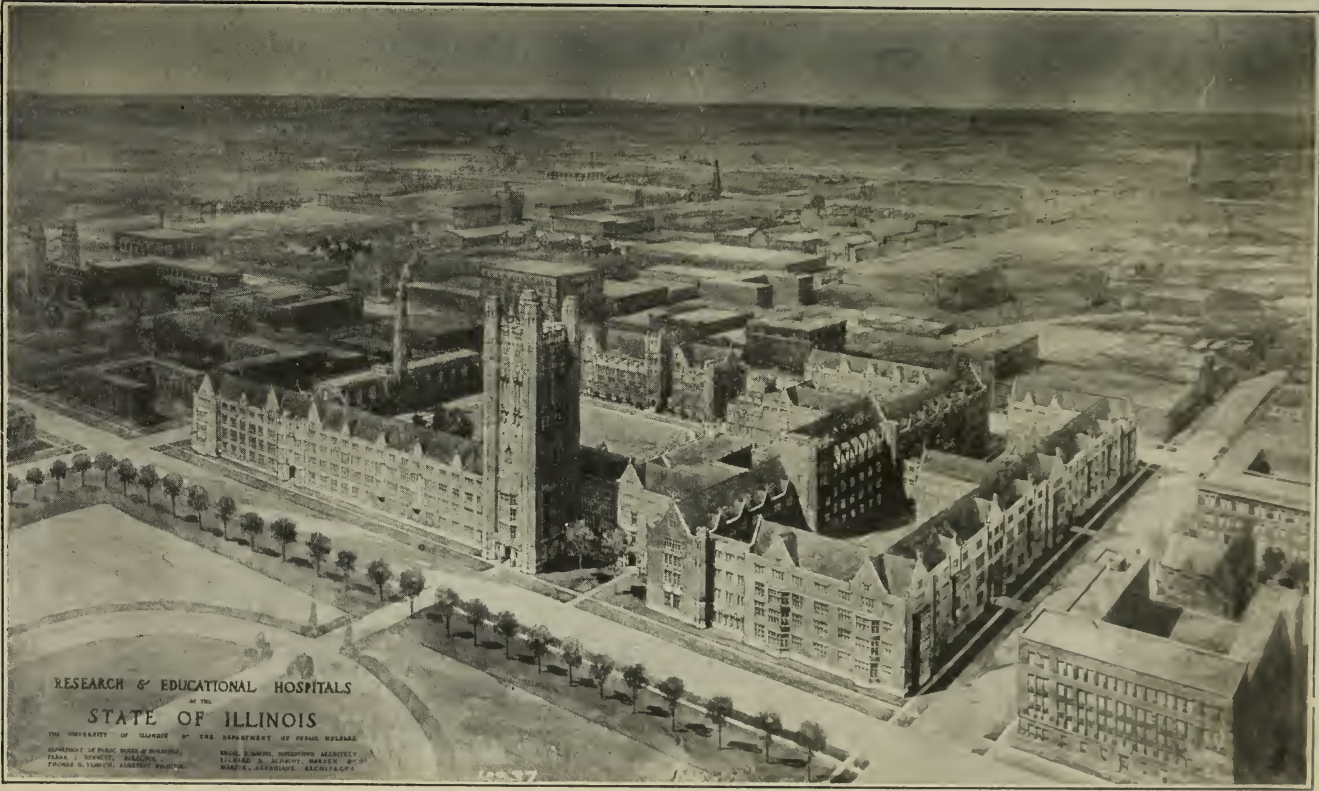
The purposes of the Clinical Building are clearly set forth by President James in the following words: "This clinical building will not be a hospital in an ordinary sense at all. It will not undertake to treat the general run of hospital patients. Its facilities will be reserved for 'cases,' that is, for patients whose cases are of interest from the standpoint of medical science and art. Provision will be made for keeping chronic cases of interest and special value for instruction and scientific purposes for a length of time determined solely by the scientific value of the case."

The General Assembly of 1919 also appropriated about $1,000,000 to the State Department of Public Welfare for the construction of a group of Educational Hospitals in the city of Chicago. This group to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and a Surgical (Orthopedic) Institute for Children. It was imperative that in addition to these special hospitals which would provide for the study of the causes of insanity, the treatment of diseases of the eye, ear, nose and throat and the surgical treatment of deformed and crippled children, there should be some provision for the study and treatment of many other diseases, such as those of the blood, lymphatics and ductless glands, together with the diseases of the heart, lungs, stomach and intestines, kidney and bladder. There should be some provision for those who need general surgical aid. There should be also some place for the treatment of women who are afflicted with the many diseases peculiar to the sex. Another great need of the Department of Public Welfare was well equipped laboratories and extensive libraries. It experienced great difficulty in obtaining high class medical men owing to the lack of these facilities.

It was obvious that the Department of Public Welfare needed just such an Institution as that proposed in the Clinical Building which the University had in contemplation. The University, on the other hand, needed the special hospitals which the Department of Public Welfare was about to erect; moreover, the Department of Public Welfare could provide a site for the Clinical Building which was much superior to that owned by the University.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to help practicing physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The greatest object of all is to determine the cause of sickness and on the basis of this knowledge institute preventive measures.

By this plan of coöperation, the College of Medicine will present clinical advantages, the value of which cannot be overestimated. The detailed scheme of operation will be outlined in a forthcoming issue of the catalogue.


RESEARCH & EDUCATIONAL HOSPITALS
OF THE
STATE OF ILLINOIS
THE UNIVERSITY OF ILLINOIS & THE DEPARTMENT OF PUBLIC WELFARE

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

ENTRANCE REQUIREMENTS FOR 1921-22

For admission to the College of Medicine of the University of Illinois in September, 1921, candidates must present four years of work in an accredited high school plus two years' work in a recognized college, or the full equivalent, including prescribed subjects, as follows:

THE HIGH-SCHOOL REQUIREMENT

1. Four years' work in an accredited high school or the equivalent, comprising not less than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units[*]
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

THE COLLEGIATE REQUIREMENT

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours and including prescribed subjects as follows:

Chemistry	12 semester hours[†]
Physics (see Note 1)	8 semester hours
Biology (see Note 2)	8 semester hours
English (see Note 3)	6 semester hours
German, French, Spanish, or Italian (see Note 4)	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see Note 5)	6 semester hours
Free electives (see Note 5)	14 semester hours
Total	60 semester hours

Students who begin their medical work after October 15, 1921, shall be required to present 4 semester hours in organic chemistry as a part of the prescription of 12 semester hours in this subject.

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[*] By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall be not less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

[†] By a *semester hour* of college credit is meant the work of a class meeting once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

NOTES

Note 1: Physics.—At least 2 of these 8 semester hours must consist of laboratory work.

Note 2: Biology.—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 3: English.—The usual introductory college course of 6 semester hours in English composition and literature is intended.

Note 4: German, French, Spanish, or Italian.—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two years' work (at least 12 hours) in college if the language was not begun in the high school, or the equivalent.

Note 5: Electives.—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

NO CONDITIONS PERMITTED

No conditions are permitted. Candidates for admission who will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions. The Secretary of the College of Medicine will be glad to advise candidates as to the opportunities to be offered at various universities during the summer for making up such deficiencies.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago five times each year, about March 15, June 15, August 25, September 25, and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADMISSION OF SPECIAL STUDENTS

The general rule of the University with reference to special students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree,* may, on approval of the dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine of the University of Illinois, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. He must further be able to comply with the requirements for such promotion in the University of Illinois. (See page 40.) Moreover, his record must be of such a character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curriculums must be satisfactorily adjusted during the first year of the student's attendance.

REGISTRATION

Students are required to register in the office of the Secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is limited to one hundred.

COLLEGIATE YEAR

The collegiate year of 1921-1922 consists of a session of thirty-six weeks, beginning September 26, 1921, and ending June 14, 1922. The year is divided into two semesters, of eighteen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

*Fees—Schedule effective September 1, 1921.

FIRST YEAR

First Semester—	
†Matriculation	$ 10.00
Registration	5.00
Tuition	60.00
*Laboratory	35.00
Bone deposit	10.00
	$120.00
Second Semester—	
Tuition	60.00
Total	$180.00

*Anatomy	$10.00
*Chemistry	8.00
*Physical Chemistry	8.00
*Physiology	3.00
*Histology	2.50
*Embryology	1.75
*Neurology	1.75
	$35.00

SECOND YEAR

First Semester—	
Registration	$ 5.00
Tuition	60.00
*Laboratory	35.00
	$100.00
Second Semester—	
Tuition	60.00
Total	$160.00

*Anatomy		$ 5.00
*Bateriology		5.00
*Clinical Diagnosis		5.00
*Pathology		3.00
*Physiology		3.00
*Pharmacology		14.00
Divided as follows:		
Pharmacology	$5.00	
Pharmo-Dynamics	5.00	
Toxicology	4.00	
Total		$35.00

THIRD YEAR

First Semester—		*Second Semester—*	
Registration	$ 5.00	Tuition	$ 70.00
Tuition	70.00		
Laboratory	5.00		
	$ 80.00		
		Total	$150.00

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*The term "year" in this schedule of fees refers to a period of instruction covering two terms of eighteen weeks each or the equivalent thereof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

†Not required in the case of students who have previously matriculated in any other college of the University of Illinois.

FOURTH YEAR

First Semester—		*Second Semester—*	
Registration	$ 5.00	Tuition	$ 75.00
Tuition	80.00	Diploma	10.00
	$ 85.00		$ 85.00
		Total	$170.00

ADDITIONAL FEES

Duplicate diploma, $10.00. *Original transcript of record, $1.00; for each carbon copy of same, 50c.

NOTE.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance during the registration days of each semester. The entire matriculation fee and laboratory fee are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee and the registration fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Fees charged special students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to have an individual microscope. Provision has been made whereby the student can purchase a miscroscope at reduced rates and pay for the same in annual installments. If a student be unable to purchase a microscope, the school will rent him one for his exclusive use at the rate of $2.50 to $4.00 per term, depending upon the equipment of the instrument.

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*Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbons supplied with the original transcript or for second request for original.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIPS

Through the generosity of the late Professor R. L. Rea a fund has been provided for four scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the season of 1920-21, they were granted to the following students:

Emery J. McIntire,
Frank B. Lucas,
Louis Feldman,
William M. Byers.

METHODIST EPISCOPAL SCHOLARSHIP

The scholarship given by the Northwestern branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church was awarded to Elizabeth Smith.

COUNTY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1905 and embodied in the General School Law of 1909 provides that one scholarship may be awarded annually to each county of the State. The holder thereof must be at least sixteen years of age, and a resident of the county to which he is accredited. No student who has attended the University of Illinois is eligible for a scholarship. The holder of a scholarship is relieved of payment of the matriculation fee ($10, payable once, on entrance) the registration fee of five dollars and the tuition fee for four years.

A competitive examination, under the direction of the President of the University, and on such branches of study as the President may select, is held on the first Saturday in June of each year, at the county court house in each county by the County Superintendent of Schools. Questions for the examinations are furnished in advance to the County Superintendents.

The successful candidates in the examinations must then meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class and must register the following September.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by assigning to that county from some other county the student found to possess the next highest qualifications.

A student holding a scholarship who shall make it appear to the satisfaction of the President of the University that he requires leave of absence for the purpose of earning funds to defray his expenses while in attendance, may, in the discretion of the President, be granted such leave of absence, and may be allowed an extension of his scholarship for not more than two years (making not more than six years in all from the beginning of the scholarship). Such extension will not be granted unless the student has been in attendance at the University for at least one full semester, nor unless the student's average grade during the period of his attendance has been at least 75, exclusive of grades in military science and physical education.

GENERAL ASSEMBLY SCHOLARSHIPS

The same act by which the county scholarships described above were established also provides that each member of the General Assembly may nominate annually one eligible person from his district for a scholarship in the University, granting the same privileges as the county scholarships.

A member of the General Assembly who wishes to nominate a candidate for a scholarship should file the name and address of his nominee as early in the spring as practicable and not later than June 1, with the President of the University and also with the County Superintendent of the county in which the nominee resides.

The nominee, if a graduate of a school accredited by the University, shall be admitted to the University on the same conditions as to educational qualifications as are graduates of such accredited high schools not so appointed to scholarships, and if any such candidate is not a graduate of a School accredited by the University, he shall present himself for examination—the same that is given to competitors for the county scholarships on the first Saturday in June, under the County Superintendent. The nominee must further (1) meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class; and (2) to register in the University the following September.

If a nominee fails to make a passing grade (70) in the scholarship examination he may not receive the scholarship. In this case notice will be sent to the member of the General Assembly who made the nomination, who is then entitled to nominate a second candidate, before the first registration day in September. This second candidate is subject to all the requirements stated above; the scholarship examination will be given him at the University on the Wednesday preceding the fall registration days (in 1919, September 17).

A General Assembly scholarship may be extended under the same conditions as a county scholarship.

MILITARY SCHOLARSHIPS

A law passed by the General Assembly of the state of Illinois at the session of 1919, provides for the establishment of military scholarships.

Qualifications of Candidates

To be eligible for appointment to a Military Scholarship, a candidate must establish the following facts:

(1) That he served in the army, the navy, or the marine corps of the United States, exclusive of the Students' Army Training Corps, during the World War.

(2) That he was honorably discharged from such service.

(3) That he was not convicted by court-martial of disobedience of orders, consisting of refusal to perform military service "on the ground of alleged religious or conscientious objections against war."

(4) That at the time of entering upon his service he was a resident of the State of Illinois or a student in the University of Illinois.

(5) That he possesses "all necessary entrance requirements," i. e., that he can meet in full the requirements set forth in the Annual Register of the University for matriculation in the college or curriculum of the University which he proposes to enter. These requirements include graduation from an accredited high school, with fifteen units in acceptable subjects, including certain prescribed subjects. A candidate who is not a graduate of an accredited high school may meet the requirements by passing entrance examinations.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental, and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth; and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of any one who has shown distinguished merit in his work.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduations from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.
2. He must have paid all indebtedness to the college.
3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois.

In order to be eligible for an interneship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from that Board a "limited license," authorizing him "to practice medicine or surgery in a hospital approved by the Illinois State Board of Health and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time credit for any year of less than thirty-two weeks of actual work.

The last year of work of the four-year curriculum must have been taken in the University of Illinois, College of Medicine.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the hospital year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve-months hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medical course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practice of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

GENERAL PLAN OF INSTRUCTION

The course of study extends over five years, including the interne year.

During the first two years the work is, in the main, confined to the sciences fundamental to practice medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued, and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months interne service in a hospital approved by the faculty of the college.

Students are prohibited from doing work that interferes in *any way* with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

CHANGES IN CURRICULUM

The Curriculum Committee is preparing a new curriculum, with the following objects in view: (1) To enable students to meet the varying requirements of the curriculums established by the various state examining boards. (2) To afford the sudent an opportunity to participate to a great degree in his own training. (3) To enable students who contemplate a career in teaching or research to come more intimately in contact with research aims and methods. The changes in the curriculum will be announced before the opening of the school year of 1921-1922.

ELECTIVES

The student is required to select from a number of courses offered for this purpose, two hours of work in the third year and six hours of work in the fourth year.

OPTIONAL WORK

Optional courses supplementary to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after completing the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

EXAMINATIONS

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Examinations for the removal of conditions in the work of the first four years are held during the week preceding the opening of the next collegiate year. Only one examination for the removal of a condition in a given subject will be permitted and then only on presentation of evidence of actual additional work done in the subject under satisfactory instruction. Conditions not removed before the beginning of the next school year become failures.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean of the College of Medicine.

GRADES

The passing grade in each subject is 70. A grade from 60 to 70 constitutes a "condition." A grade below 60 constitutes a "failure." A "failure" can be removed only by repetition of the subject in course in an approved institution.

PROMOTIONS

Failures to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failures may be carried from the fourth (Senior) year into the fifth (Interne) year.

Failures must be made up in course, and the number of hours of such failures shall be deducted from the total number of hours of the regular work for the period.

REFUSAL OF FURTHER REGISTRATION ON ACCOUNT OF POOR SCHOLARSHIP

A student who in any semester receives failures in one-half the total number of hours in his course, or the equivalent in conditions, or in failures and conditions combined, shall be refused further registration in the College of Medicine.

Note:—One and one-half hours of condition are counted as the equivalent of one hour of failure.

GRADES FOR DEGREE OF BACHELOR OF SCIENCE

No student having grades below 75 in subjects aggregating twenty-five per cent of his entire work in the junior college will be recommended for the degree of Bachelor of Science.

REPORTS

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CORRESPONDENCE

Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS
Congress and Honore Streets, Chicago.

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

Albert Chauncey Eycleshymer, B.S., M.D., Ph.D., *Professor and Hea of the Department*
Otto Frederic Kampmeier, A.B., Ph.D., *Associate Professor*
Roy Lee Moodie, A.B., Ph.D., *Associate Professor*
Arthur Reuben Cooper, A.B., A.M., Ph.D., *Assistant Professor*
Joseph Clark Stephanson, B.S., Ph.D., *Associate*
Oscar Eugene Nadeau, B.S., M.D., *Instructor*
Thomas Smith Jones, B.F.A., *Artist and Instructor*
Genevieve Louise Meakin, *Artist*
Louis N. Boelio, *Assistant and Chief Technician*
George Miller, *Technician*
Adolph Hammer, *Director of Plastic Studio*

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

Required Courses—First Year

22. Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I* (*first half*).

Associate Professor Moodie and assistants

23. Cytology, Histology, and Microscopic Anatomy.—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I*.

Associate Professor Moodie and assistants

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

26. Neurology.—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I (second half).*

Associate Professor MOODIE and assistants

27-28, Regional and Systematic Anatomy.—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures, recitations, and laboratory; 3 three-hour periods. *II.*

Associate Professor KAMPMEIER, Assistant Professor COOPER and assistants

REQUIRED COURSES—SECOND YEAR

31. Topographical Anatomy.—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I.*

Associate Professor KAMPMEIER and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

OPTIONAL COURSES

50. Microscopical Technic.—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting.

Mr. BOELIO

53. Medical Illustrating.—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. Embryology and Histogenesis.—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESHYMER

59. Neurology.—The relation of the nervous system to body growth.

Associate Professor MOODIE

COURSES PREPARATORY TO SPECIALIZATION

(Special Fee)

62. a. **The Eye.**
- b. **The Ear.**
- c. **Mouth, Nose, and Throat.**
- d. **The Thorax and Abdomen.**
- e. **The Genito-Urinary System.**
- f. **Pelvic Anatomy.**
- g. **The Extremities, especially the joints and their mechanism.**
- h. **The Brain and Spinal Cord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

COURSES FOR GRADUATES

101. Histogenesis.—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One unit.*

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

DERMATOLOGY

FRANCIS EUGENE SENEAR, B.S., M.D., *Assistant Professor and Acting Head of the Department*

REQUIRED COURSES—FOURTH YEAR

1. Practise.—Illustrated, 2 *I.* Assistant Professor SENEAR

5. Clinic.—College, *I, II.* Assistant Professor SENEAR

9-10. Clinic—College Dispensary. In sections. 3 one-hour periods *(three weeks). II.* Assistant Professor SENEAR

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

HERMAN MORRIS ADLER, A.M., M.D., *Professor of Criminology and Heaa of the Department*

ELMER DEWITT BROTHERS, M.S., LL.B., *Lecturer in Medical Jurisprudence*

MATTHEW MILLS, LL.B., *Alternate Lecturer in Medical Jurisprudence*

REQUIRED COURSE—THIRD YEAR

4. Hygiene and Public Health.—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *I.* Professor ——————

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of the various states. Lectures, 1. *I.*

ELMER D. BROTHERS

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

NORVAL HARVEY PIERCE, M.D., *Professor and Head of the Department*

JOSEPH C. BECK, M.D., *Associate Professor*

George William Boot, *M.D., Assistant Professor*
Edward Francis Garraghan, A.B., A.M., M.D., *Associate*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
William Clyde Comee, M.D., *Instructor*
Charles Francis Yerger, M.D., *Instructor*
Hiram Jason Smith, M.D., *Instructor*

Departmental Statement

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies by Bezold's large models of the ear, macerated specimens of the nose, throat and ear; by lantern slides and stereoptic demonstrations, as well as by actual examination of individuals in the out patient department and in the hospital.

Required Courses—Third Year

3. **Practise.**—The surgical anatomy, physiology, and pathology of the ear, nose and throat. 1. *I.*

Professor Pierce and Associate Professor Beck

7. **Clinic.**—Illinois Eye and Ear Infirmary. Diseases of the Ear, Nose and Throat. In sections; 2. *I.* (*eight weeks*).

11. **Practise.**—The diseases of the throat and nose. 1. *I.*

17. **Clinical Conference.**—Cook County Hospital. Training in the use of instruments for the examination of the ear, nose and throat. In sections; *I.* *(four weeks).* Assistant Professor Boot

19-20. **Clinic.**—College Dispensary. In sections; 3 (*three weeks*). *II.*

Dr. Garraghan, Dr. Theobald, Dr. Yerger, Dr. Comee, Dr. Smith

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor of Medicine and Head of the Department*

DIVISION OF INTERNAL MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor of Medicine*
Frederick Tice, M.D., *Professor of Medicine*
Maurice Louis Goodkind, M.D., *Professor of Medicine*
Joseph McIntyre Patton, M.D., *Professor of Medicine*
Frank Smithies, M.D., *Associate Professor of Medicine*
Edward Louis Heintz, Ph.G., M.D., *Associate Professor of Medicine and Clinical Medicine*
Maurice Lewison, M.D., *Associate Professor of Physical Diagnosis*
Arthur Richard Elliott, M.D., C.M., *Associate Professor of Medicine*
John Weatherson, C.E., M.D., *Associate Professor of Medicine*
Sidney Strauss, A.B., M.D., *Associate Professor of Medicine*

Ernest Sisson Moore, Ph.B., M.D., *Assistant Professor of Medicine*
Frank Chauvet, M.D., *Assistant Professor of Physical Diagnosis*
George John Lorch, Ph.G., M.D., *Associate in Medicine*
John Charles Mathew Krasa, M.D., *Associate in Medicine*
Walter Bradford Metcalf, M.D., *Associate in Clinical Medicine*
Franklin S. Wilson, Ph.G., M.D., *Associate in Clinical Medicine*
William Joseph Quigley, B.S., M.D., *Associate in Medicine*
James Craig Small, B.S., M.D., *Associate in Medicine*
Frank Joseph Jirka, M.D., *Instructor in Clinical Medicine*
Albert Vanderkloot, M.D., *Instructor in Medicine*
Clyde F. Karshner, A.B., M.D., *Instructor in Medicine*
Benjamin Goldberg, M.D., *Assistant in Medicine*
Leo Jacob Jacobson, M.D., *Assistant in Medicine*
Elmer W. Mosley, M.D., *Assistant in Medicine*
William T. Rogers, M.D., B.S., *Assistant in Medicine*
William Alexander Malcolm, B.S., M.D., *Assistant in Medicine*
Robert James Hyslop, B.S., M.D., *Assistant in Medicine*
Frank Max Wittelle, B.S., M.D., *Assistant in Medicine*
Vincent Brendon Bowler, B.S., M.D., *Assistant*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis, on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine, but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients, and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical, and is given not only in the College, but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures; 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor Lewison, Assistant Professor Chauvet

REQUIRED COURSES—THIRD YEAR

9. Practise.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.* Associate Professor HEINTZ, Dr. LORCH, Dr. CROOKS, Dr. FURBY, Dr. KRASA, Dr. ROGERS, Dr. STEVENSON, Dr. SMALL

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor HEINTZ

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor LEWISON

23. Physical Diagnosis Clinics.—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.*
Associate Professor LEWISON, Assistant Professor CHAUVET

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections, 3 two-hour periods (*three weeks*). *II.*
Assistant Professor MOORE, Dr. METCALF, Dr. WILSON, Dr. MOSLEY, Dr. MAYERS, DR. JIRKA, DR. WITTELLE, DR. JACOBSON.

REQUIRED COURSES—FOURTH YEAR

31-32. Practise.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences; 4, *I.;* 2, *I.*

Lectures, Professor WILLIAMSON, Professor TICE
Conferences and recitations, Associate Professor WEATHERSON

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor WILLIAMSON

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor TICE

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor STRAUSS

41. Clinic.—St. Luke's Hospital. 1 two-hour period.
Associate Professor ELLIOTT

47. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Associate Professor SMITHIES

49-51. Seminar.—Work in cooperation with the departments of surgery and obstetrics. The student receives 48 hours credit, 16 in each department, although the work is done only in one department. The entire class is divided into three groups, and each of these again into five sub-groups. During the first semester, the groups meet informally, and abstracts are prepared and submitted for criticism. During the second semester, each group is assigned one hour in which to present its work before the entire class.
Professor WILLIAMSON, Professor HESS, Assistant Professor MOORE

OPTIONAL COURSES—THIRD YEAR

1-X. Tuberculosis.
Assistant Professor CHAUVET

2-X. Tuberculosis of the Lymphatic System.
DR. METCALF

OPTIONAL COURSES—FOURTH YEAR

3-X. Diseases of the Blood. (*Eight weeks.*)
Assistant Professor MOORE

4-X. Tuberculosis. (*Eight weeks.*)
Assistant Professor MOORE

5-X. Diseases of the Heart.
Associate Professor STRAUSS

6-X. Diseases of Pancreas and Intestines.
Associate Professor SMITHIES

7-X. Principles of Medicine, Review Course.
DR. KEETON

DIVISION OF PEDIATRICS

JULIUS HAYES HESS, M.D., *Professor of Pediatrics and Head of the Division*
HENRY EUGENE IRISH, M.D., *Assistant Professor of Pediatrics*
MAURICE LAMM BLATT, M.D., *Assistant Professor of Pediatrics*
LESTER EDWARD BOWER, A.B., M.D., *Associate in Pediatrics*
SOLOMON MAXWELL GOLDBERGER, M.D., *Instructor in Pediatrics*
ISADOR MICHAEL LEVIN, S.A., S.B., M.D., *Instructor in Pediatrics*
JOSEPH K. CALVIN, S.B., M.D., *Assistant in Pediatrics*
MAXWELL P. BOROVSKY, B.S., M.D., *Assistant in Pediatrics*
PHILIP ROSENBLUM, M.D., *Assistant in Pediatrics*
ROBERT LUDWICK FURBY, M.D., *Assistant in Pediatrics*
ANNA ISHAM ROBINSON, B.A., M.D., *Assistant in Pediatrics*

GENERAL STATEMENT

The work in pediatrics is given in the third and fourth years. So far as possible, the course is one of individual instruction, the class being divided into small groups for clinical work.

REQUIRED COURSES—THIRD YEAR

1. Practise and Clinic.—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences; 1. *I.* Professor HESS

4. Practise.—Recitations. 1. *I.*
Assistant Professor IRISH and assistants

7. Clinic.—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups; 2 (*four weeks*). *I.* Dr. BOWER

9. Clinic.—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor BLATT

REQUIRED COURSES—FOURTH YEAR

11. Clinic.—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor IRISH

15-16. Clinic.—Dispensary. In sections; two-hour periods (*eighteen periods*). *I.* Dispensary Staff

19. Clinic.—Cook County Hospital. In groups. One two-hour period. *I.* Professor HESS

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. Douglas Singer, M.D., M.R.C.P., *Professor of Psychiatry and Head of the Divisions*

Isidore Leon Meyers, M.D., *Associate Professor of Neurology*

George Boris Hassin, M.D., *Associate Professor of Neurology*

Charles F. Read, B.S., M.D., *Assistant Professor of Neurology and Psychiatry*

Edward Franklin Leonard, M.D., *Assistant Professor of Neurology*

Ralph Chess Purnell Truitt, M.D., *Assistant Professor of Neurology and Psychiatry*

Samuel Nye Clark, M.D., *Associate in Neurology and Psychiatry*

3-4. Practise and Clinic.—Dispensary, Cook County Hospital and Chicago State Hospital. Lectures, demonstrations, examination and diagnosis; in sections; 6 two-hour periods (*seven and one-half weeks*) *I*, and 1 two-hour period, *I*.

Professor Singer, Associate Professor Meyers, Associate Professor Hassin, Assistant Professor Read, Assistant Professor Leonard, Assistant Professor Truitt, Dr. Clark, Dr. Hulbert.

DIVISION OF ROENTGENOLOGY

Adolph Hartung, M.D., *Assistant Professor of Röentgenology, Assistant in Röentgenology and Dispensary Laboratory*

Required Course—Fourth Year

4. Practise and Demonstration.—College. The use of the X-ray in medicine and surgery.

To small sections: *I* (*four weeks*).

DIVISION OF HISTORY OF MEDICINE

Bernard John Cigrand, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

51. Lectures; 1. *I*.

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., *Professor of Obstetrics and Clinical Obstetrics and Head of the Department*

Henry Foster Lewis, A.B., M.D., *Professor of Obstetrics and Clinical Obstetrics*

Rachelle S. Yarros, M.D., *Associate Professor of Obstetrics and Clinical Obstetrics*

Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor of Obstetrics and Clinical Obstetrics*

Walter Charles Hammond, M.D., *Associate in Obstetrics*

Annie Esther Barron-Harrison, M.D., *Instructor in Obstetrics*

Edward Morton Heacock, M.D., *Instructor in Obstetrics*

Hans Nachtigall, M.D., *Instructor in Obstetrics*

Woodruff Lynden Crawford, B.S., M.D., *Assistant in Obstetrics*
Aubrey Humphrey Pember, B.S., M.D., *Assistant in Obstetrics*
Albert Eric Olsen, B.S., M.D., *Assistant in Obstetrics*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital, the College Dispensary and the Chicago Lying-In Hospital and Dispensary. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups in the College Dispensary and in the University Hospital. Students are required also to assist in the delivery of twelve parturients. Reports of these cases are kept by students and form the basis of conference discussions. An amphitheater clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary. This Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to care for the patient during her labor. A student and nurse visit her daily for ten days afterward. The fee for the course is $15.00 payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations; 3. *I.*

Associate Professor Yarros, Dr. Hammond, Dr. Newberger, Dr. Heacock

9. Clinic.—University Hospital. Instruction at bedside and in the passenger. To small groups, 1 two-hour period (*four weeks*).

Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison

12. Clinic.—University Hospital. The class is divided into groups The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16.—Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations; 3. *I.*

Professor Bacon, Associate Professor Rohrlack, Dr. Nachtigall

(a) Laboratory work in pathological anatomy and histology. To small groups, 1 two-hour period (*eight weeks*). Dr. Nachtigall

(b) Manikin work. To small groups; 1 two-hour period, (*eight weeks*).

Professor Lewis, Dr. McGuire

19. Clinic.—Cook County Hospital. To small groups (*four weeks*).

Professor Lewis

22. Clinic.—University Hospital. Demonstrations and operations, 1. *I.*

Professor Bacon

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work is done only in one department. The class is divided into three groups, and each of these again into five subgroups. The purpose of this seminar is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism, and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor LEWIS, Associate Professors YARROS and ROHRLACK, DR. STONE

OPTIONAL COURSES—THIRD YEAR

1-X. Review Course in Obstetrics. 1. *I.*

Drs. CRAWFORD and PEMBER

2-X. The Relation of the Endocrine Glands to Gynecological Affections. *I.* Associate Professor ROHRLACK

OPTIONAL COURSES—FOURTH YEAR

1-X. Oxylocics. 1. *II.*

Professor BACON

2-X. Review Course in Obstetrics. 1. *I.*

Drs. CRAWFORD and PEMBER

DIVISION OF GYNECOLOGY

CHANNING W. BARRETT, M.D., *Professor of Gynecology and Head of the Division*

JOHN MICHAEL LANG, M.D., *Assistant Professor of Clinical Gynecology*

EGAN WALTER FISCHMANN, M.D., *Assistant Professor of Gynecology*

ALBERT JOHN SCHOENBERG, M.D., *Associate in Gynecology*

FRANK LEE STONE, M.D., *Associate in Gynecology*

LEO ANTHONY JUHNKE, M.D., *Instructor*

GOLDYE HOFFMAN, M.D., *Assistant*

GENERAL STATEMENT

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

REQUIRED COURSES—FOURTH YEAR

3. Practise.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. 1. *II.*

Professor BARRETT, Assistant Professor FISCHMANN, Dr. STONE

7. Clinic.—Cook County Hospital. One two-hour period. *I.*

Professor BARRETT

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases, and write reports. In as far as the students' time permits the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). *II.*

Assistant Professor LANG, Assistant Professor FISCHMANN, Dr. SCHOENBERG Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN

OPTIONAL COURSE—FOURTH YEAR

1-X. Course on Pelvic Histology and Microscopic Pathology.
Dr. STONE

OPHTHALMOLOGY

EDWARD VAIL LAPHAM BROWN, B.S., M.D., *Professor of Clinical Ophthalmology and Head of the Department*

ANDY MORTON CARR, B.A., M.D., *Associate in Ophthalmology*
HALLARD BEARD, S.B., M.D., *Instructor in Ophthalmology*
CHESTER H. LOCKWOOD, M.D., *Instructor in Ophthalmology*
WILLIAM FRANKLIN MONCRIEF, S.B., M.S., M.D., *Assistant in Ophthalmology.*
MARGARET AMERTON HEATH, A.B., *Assistant in Ophthalmology*

REQUIRED COURSE—FOURTH YEAR

3-4. Clinic and Practise.—Dispensary, clinic and laboratory course. In the clinical work emphasis is placed on standard methods of diagnosis. This includes 16 to 20 hours on the normal and pathological anatomy of the eye, 8 to 12 hours' practise in the use of the ophthalmoscope, perimeter, retinoscope, tonometer and test charts. The balance of the 48 required, and 16 optional hours are spent in the study of eye cases which the general practitioner most frequently encounters. 3. *I.*

Professor BROWN, DR. CARR, MISS HEATH

PATHOLOGY AND BACTERIOLOGY

DAVID JOHN DAVIS, B.S., M.D., Ph.D., *Professor of Pathology and Bacteriology and Head of the Department*

JOSIAH JOHN MOORE, B.S., M.D., M.S., *Assistant Professor in Pathology and Bacteriology*

WILLIAM F. PETERSEN, A.B., M.D., *Associate in Pathology and Bacteriology*
JOHN NUZUM, B.S., M.D., *Associate in Pathology and Bacteriology*
HARRY MATTHEW JONES, B.S., Ph.D., *Instructor in Pathology and Bacteriology*
ISADOR PILOT, B.S., M.D., *Instructor in Pathology and Bacteriology*
CARRIE WALTON, *Technician*
JOSEPH LEPAK, *Technician*

REQUIRED COURSE—SECOND YEAR

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures; demonstrations; 3. *I,* laboratory; 2 three-hour periods. *I.*

Professor DAVIS, Assistant Professor MOORE and assistants

REQUIRED COURSE—SECOND YEAR

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures; recitations; demonstrations; 4. *I;* laboratory, 4 two-hour periods. *I.*

Drs. PETERSEN and NUZUM and assistants

REQUIRED COURSE—SECOND YEAR

22. Clinical Pathology.—Microscopic, bacteriologic, and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 4. *I.*

Drs. PILOT and JONES and assistants

REQUIRED COURSES—THIRD YEAR

26. Special Pathology and Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. Three two-hour periods. *I.*

Professor DAVIS and Assistant Professor MOORE

OPTIONAL COURSES

50. Advanced Work and Research in Bacteriology.—Limited to properly qualified students.

Professor DAVIS and Assistant Professor MOORE

51. Advanced Work in Special Diagnostic Laboratory Methods.—Limited to a few qualified students.

Assistant Professor MOORE

55. Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I.* Dr. PETERSEN

COURSES FOR GRADUATES

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases; lower animals in the transmission of human diseases. *One unit.*

Professor DAVIS

105. Individual Research.—*One or two units.*

Professor DAVIS

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor and Head of the Department*

ROBERT WOOD KEETON, M.S., M.D., *Assistant Professor of Pharmacology and Therapeutics*

HARRY VICTOR ATKINSON, B.S., *Instructor in Pharmacology*

CLYDE MASON SNOW, Ph.G., *Instructor in Materia Medica and Pharmacy*

WALTER JOHN RICHARD HEINEKAMP, B.S., M.S., *Assistant in Pharmacology*

MANFRED ULLMAN PRESCOTT, B.S., *Student Assistant*

HURST J. RUTLEDGE, B.S., *Student Assistant*

HARRY JOSEPH SCHLECK, *Technician*

REQUIRED COURSES—SECOND YEAR

8. Materia Medica and Pharmacy.—Prescription writing. Lectures, recitations; 3; *I.* Laboratory and demonstrations; 1 two-hour period; *I.*

Professor MCGUIGAN, Mr. SNOW and assistants

10. Pharmacology and Materia Medica.—Pharmacodynamics; chemistry of drugs. Lectures, recitations; 2. *I.* Laboratory; one three-hour period; Toxicology; *I.* Laboratory, 1 three-hour period.
Professor McGuigan, Mr. Atkinson and assistants

12. Toxicology.—Lectures, recitations; 1. *I.* Laboratory, one three-hour period.
Professor McGuigan, Mr. Atkinson and assistants

Required Course—Third Year

20. General Therapeutics.—2. *I.* Professor McGuigan

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research work.
Professor McGuigan

Courses for Graduates

101. Advanced Pharmacodynamics.—Laboratory work.—*One unit.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

105. Advanced Toxicology.—Laboratory work.—*One or two units.*
Professor McGuigan and Mr. Atkinson

109. Research Work in Toxicology.—*One or two units.*
Professor McGuigan and Mr. Atkinson

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of the Department*
William Henry Welker, A.C., Ph.D., *Associate Professor of Physiological Chemistry*
Paul Gerhard Albrecht, B.S., Ph.D., *Associate in Physiological Chemistry*
Grover Tracy, A.B., *Instructor in Physiological Chemistry*
James Tobias Groot, S.B., B.S., *Instructor in Physiology*
Hubbard Prather Saunders, A.B., M.D., *Instructor in Physiology*
Jesse Louis Bollman, A.B., M.S., *Assistant in Physiological Chemistry*
Carl Thompson Stephan, B.S., M.D., *Assistant in Physiology*
Clarence Charles Saelhof, B.S., M.S., *Assistant in Physiological Chemistry*
Fred Kraus, *Technician in Chemistry*
Lorenz Laurentine Smith, *Assistant Technician in Chemistry*
Samuel A. Hansen, *Technician in Physiology*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation, and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply valuable technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory itself; while the main library contains complete files of the more important journals of biochemistry.

Required Course—First Year

20. Physiology.—Blood and lymph, muscle and nerve, circulation, and respiration.

Lectures and recitations, 3; demonstration and laboratory, 2 two-and-one-half-hour periods. *I.*

Professor Dreyer and assistants

21. Organic Chemistry.—Chemistry of the carbon compounds with special emphasis on the chemistry of fats, proteins, and carbohydrates. Lectures, demonstrations, conferences, 2; laboratory, 2 three-hour periods. *I.*

Dr. Albrecht, Mr. Bollman and assistants

24. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences, 2; laboratory, 2 three-hour periods. *I.*

Associate Professor Welker, Dr. Albrecht, Mr. Bollman and assistants

Prerequisite: Course 21 or its equivalent.

Required Course—Second Year

25. Physiology.—Digestion; secretion; metabolism; the special senses; the central nervous system. Lectures, recitations, demonstrations, 5; laboratory, 1 four-hour period. *I.*

Professor Dreyer and assistants

Optional Courses

51. Advanced Laboratory Work.—Physiological demonstration and research; graphic methods. Professor Dreyer

53. Quantitative Urinary Analysis.—Lecture, one hour a week; laboratory, six hours a week. *I.*

Associate Professor Welker, Mr. Tracy

54. Sanitary Chemistry.—Water and sewage analysis; purification. Lecture, one hour a week; laboratory, six hours a week. *I.*

Associate Professor Welker

59. Food Analysis.—Composition, adulteration, preservation. Lecture, one hour a week; laboratory, six hours a week. *I.*

Mr. Tracy

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisite for optional courses: In physiology, courses 20 and 25, and in chemistry, courses 21 and 24.

COURSES FOR GRADUATES

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*
Associate Professor WELKER

107. Biochemical Research.—*One or two units.*
Associate Professor WELKER

SURGERY

CHARLES DAVISON, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

CHARLES DAVISON, A.M., M.D., *Professor of Surgery and Clinical Surgery.*

ALBERT JOHN OCHSNER, B.S., M.D., LL.D., *Professor of Surgery and Clinical Surgery.*

ALBERT EDWARD HALSTEAD, M.D., *Professor of Surgery and Clinical Surgery.*

WILLIAM McINTYRE HARSHA, A.B., M.D., *Professor of Surgery and Clinical Surgery.*

CHARLES EDWARD HUMISTON, M.D., *Professor of Surgery.*

NELSON MORTIMER PERCY, M.D., *Associate Professor of Clinical Surgery.*

GEORGE FARNSWORTH THOMPSON, B.S., M.D., *Associate Professor of Clinical Surgery.*

*FRANK DONALD MOORE, M.D., *Associate Professor of Surgery.*

KARL ALBERT MEYER, M.D., *Associate Professor of Surgery and Clinical Surgery.*

JOHN ROSS HARGER, B.S., M.D., *Assistant Professor of Surgery.*

CHARLES HERBERT PHIFER, M.D., *Assistant Professor of Surgery.*

CASSIUS CLAY ROGERS, A.M., M.D., *Assistant Professor of Surgery.*

BENJAMIN FRANKLIN LOUNSBURY, B.S., M.D., *Assistant Professor of Operative Surgery.*

HENRY BASCOM THOMAS, B.S., M.D., *Assistant Professor of Surgery (Orthopedic).*

HARRY CULVER, M.S., M.D., *Assistant Professor of Genito-Urinary Surgery.*

RAYMOND WILLIAM McNEALY, M.D., *Assistant Professor of Clinical Surgery.*

GEORGE LUTHER DAVENPORT, M.D., *Assistant Professor of Clinical Surgery.*

ARRIE BAMBERGER, B.S., M.D., *Associate in Surgery.*

OSCAR EUGENE NADEAU, B.S., M.D., *Associate in Surgery and Surgical Pathology.*

HENRY LESTER BAKER, M.D., *Associate in Surgery.*

GEORGE WASHINGTON POST, A.M., M.D., *Associate in Surgery.*

ERNEST JASON FORD, A.B., M.D., *Associate in Surgery.*

MAX MEYEROVITZ, M.D., *Instructor in Clinical Surgery.*

EDWAIN CHRISTIAN SCHMITT, A.M., M.D., *Instructor in Surgery.*

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*Resigned.

LYNDON HARRIS, M.D., *Instructor in Clinical Surgery.*
CLARA GRACE GOTTSCHALK, M.D., *Assistant in Clinical Surgery.*
FREDERICK CHRISTOPHER, B.S., M.D., *Assistant in Experimental Surgery.*
HANBY LEWIS FORD, B.S., M.D., *Assistant in Surgery.*
PAUL STERLING CARLEY, B.S., M.D., *Assistant in Surgery.*
VIRGIL SHEETS COUNSELLOR, B.S., M.D., *Assistant in Surgery.*

REQUIRED COURSES—THIRD YEAR

3-4. Practise.—Surgery and surgical pathology. Conferences, recitations. In sections; 2. *II.*
Assistant Professor PHIFER, Dr. NADEAU, Dr. POST, Dr. BAMBERGER

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). *II.*
Assistant Professor HARGER, Dr. BAMBERGER, Dr. POST, Dr. HARRIS

9. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor MCNEALEY

10. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

11. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor MEYER

12. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

19. Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital.
Associate Professor MEYER

OPTIONAL COURSES—THIRD YEAR

1-X. Anesthetics, Surgical Dressings, and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. *I.*
Dr. BAKER

2-X. Surgical Diagnosis.—1. *I.* Assistant Professor MCNEALY

3-X. Principles of Surgery.—A review course. 1. *I.*
Associate Professor MEYER, Drs. FORD and CARLEY

4-X. Special Fractures.—Lectures, recitations, conferences. 1. *I.*
Assistant Professor DAVENPORT

5-X. Operative Surgery of the Abdomen on Animals.—1. *I.*
Dr. GRAHAM, Dr. BRAUDE

6-X. Preoperative and Postoperative treatment. Dr. NADEAU

REQUIRED COURSES—FOURTH YEAR

23-24. Practise.—Regional surgery. Conferences, recitations. In sections. 1. *I.*
Professor HUMISTON, Associate Professor MOORE, Assistant Professor LOUNSBURY, Assistant Professor ROGERS

29. Clinic.—University Hospital. 1 two-hour period. *I.*
Professor DAVISON, Dr. MEYEROVITZ

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I.*
Professor OCHSNER, Associate Professor PERCY

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Professor OCHSNER, Associate Professor PERCY

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor HALSTEAD, Professor HARSHA

34. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

35. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor MCNEALY

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.*
Associate Professor MEYER

37b. Clinic.—Cook County Hospital. *Individual Bedside Instruction in Surgical Diagnosis.* Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. *I.*
Professor DAVISON, Dr. GOTTSCHALK

41. Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*).
Dr. NADEAU

43-44. Surgical Seminar.—Work done in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester, the groups will meet only informally, and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.
Assistant Professor HARGER and Dr. COUNSELLOR

OPTIONAL COURSES—FOURTH YEAR

Advanced Work in Special Subjects

6-X. Surgery of the Abdomen.—Lectures, conferences, recitations. 1. *I.*
Associate Professor THOMPSON

7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. *I.*
Assistant Professor THOMAS

8-X. Regional Surgery.—A review course. 1. *I.*
Associate Professor MEYERS, Drs. FORD, CARLEY

9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. 1. *I.*
Assistant Professor ROGERS

10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. *I.*
Dr. FORD

11-X. Surgical Diseases of the Kidneys.—1. *I.*
Assistant Professor CULVER

DIVISION OF ORTHOPEDIC SURGERY

HENRY BASCOM THOMAS, B.S., M.D., *Assistant Professor*
JOHN PERLEY SPRAGUE, A.B., M.D., *Associate*
MARCUS HATFIELD HOBART, A.B., M.D., *Instructor*
THOMAS JOHN SULLIVAN, JR., M.D., *Instructor*
DENNIS RIDER WOOD CRILE, B.S., M.D., *Instructor*
FRANK GEORGE MURPHY, B.S., M.D., *Instructor*
WALTER RATHBON FISCHER, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3. **Practise.**—Conferences, recitations. In sections. 1. *I.*
Assistant Professor THOMAS, Dr. SPRAGUE, Dr. HOBART, Dr. SULLIVAN, Dr. CRILE.

7. **Clinic.**—St. Luke's Hospital. 1. *I.* Assistant Professor THOMAS

8. **Clinic.**—St. Mary's Hospital. 1. *I.* Dr. CRILE

9. **Clinic.**—University Hospital. 1. *I.* Dr. SPRAGUE

15-16. **Clinic.**—Dispensary. In sections; three two-hour periods (*three weeks*). *II.* Assistant Professor THOMAS, Dr. HOBART, Dr. SULLIVAN
Dr. SPRAGUE, Dr. FISCHER

DIVISION OF GENITO-URINARY SURGERY

CHARLES MORGAN MCKENNA, B.S., M.D., *Assistant Professor*
HARRY CULVER, M.S., M.D., *Assistant Professor*
HARRY JEROME SMEJKAL, M.D., *Instructor*
HARTLEY FARNHAM MARS, Ph.C., M.D., *Instructor*
JACOB WILLIAM HOLDERMAN, A.B., M.D., *Instructor*
GERALD DELAND GERNON, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3. **Practise.**—Conferences, recitations. In sections. 1. *I.*
Assistant Professors MCKENNA and CULVER, Dr. MARS, Dr. HOLDERMAN

7-8. **Clinic.**—Dispensary. In sections. Three two-hour periods (*three weeks*). *II.* Assistant Professor MCKENNA, Dr. SMEJKAL, Dr. MARS

REQUIRED COURSES—FOURTH YEAR

11. **Clinic.**—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections; 2 two-hour periods (*three weeks*).
Assistant Professor CULVER

14. **Clinic.**—St. Joseph's Hospital. In sections; 1 two-hour period. *I.* (*four weeks*). Assistant Professor MCKENNA

DIVISION OF OPERATIVE SURGERY

BENJAMIN FRANKLIN LOUNSBURY, B.S., M.D., *Assistant Professor*
ARCHIE JAMES GRAHAM, B.S., M.D., *Instructor*
ARTHUR R. METZ, A.B., M.D., *Assistant*
ROGER CLIFTON CANTWELL, B.S., M.D., *Assistant*
IRVING ROBERT BROWNING, B.S., M.D., *Assistant*
BENJAMIN BRAUDE, M.S., M.D., *Assistant*
RALPH AUGUST KORDENAT, B.S., *Student Assistant*

REQUIRED COURSE—SECOND YEAR

3. **Operative Surgery.**—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections; two two-hour periods. *I.*
Assistant Professor LOUNSBURY, Dr. METZ, Dr. CANTWELL. Dr. BROWNING

SUMMARY OF HOURS

First Year

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Organic	32	96	..	..	128
Physiological	..	..	32	96	128
PHYSIOLOGY	..	..	48	96	144
	96	368	144	368	976

Second Year

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	96	..	..	128
Bacteriology	48	96	..	..	144
Clinical Pathology	..	..	..	64	64
Pharmacology Prescription Writing and Pharmacy	48	64	48	64	224
Pathology	32	96	16	48	192
Physical Diagnosis	..	..	16	32	48
Physiology	32	96	..	..	128
Surgery (Operative)	..	..	..	32	32
	192	442	112	240	960

SUMMARY OF HOURS—Continued

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Hygiene..........	..	..	..	32	24	.	56
Oto-Laryngology..	16	26	9	..	..	9	60
Internal Medicine	64	40	18	64	40	18	244
Medical Jurisprudence..	..	..	..	16	..	..	16
Pathology	..	..	..	..	64	..	64
Pediatrics	16	..	..	16	16	..	48
Pharmacology and Therapeutics...	32	..	..	..	..	..	32
Obstetrics	32	..	..	32	20	..	84
General Surgery..	32	32	18	32	36	18	168
Orthopedic Surgery........	16	16	18	..	16	18	84
Genito-Urinary Surgery........	16	..	18	..	..	18	52
	204	114	81	198	252	81	930

SUMMARY OF HOURS—Continued

FOURTH YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Dermatology	32	16	9	..	..	9	66
Genito-Urinary Surgery	..	4	..	..	16	..	20
Gynecology	32	32	9	..	20	9	102
Medicine	96	50	..	48	66	..	260
Neurology	16	16	18	16	16	18	100
Obstetrics	48	30	..	..	34	..	112
Ophthalmology	12	16	18	..	..	18	64
Pediatrics	..	32	18	..	12	18	80
Psychiatry	..	..	..	16	8	..	24
Roentgenology	..	..	..	..	4	..	4
General Surgery	32	72	..	32	88	..	224
Surgical Pathology	..	..	..	..	16	..	16
	268	268	72	112	280	72	1072

First year	976
Second year	960
Third year	930
Fourth year	1072
Total	3938

FIRST YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Histology 8-12 305-7	Organic Chemisty 8-12 304	Histology 8-12 305-7	Organic Chemistry 8-12 304	Histology 8-12 305-7	
9-10						
10-11						
11-12						
1-2		Anatomy 1-5 AL	Anatomy 1-2	Anatomy 1-5 AL		
2-3						
3-4						
4-5						

SECOND YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9					Physiology Laboratory 8-12 207-8	
9-10		Bacteriology 9-10 205	Physiology Laboratory 9-11 207-8	Bacteriology 9-10 205		Bacteriology 9-10 205
10-11		Bacteriology Laboratory 10-12 112		Bacteriology Laboratory 10-12 112		Bacteriology Laboratory 10-12 112
11-12	Physiology 205		Physiology 205			
1-2	Pharmacology 1-2 406	Topographical Anatomy 1-5 AL	Pharmacology 1-2 406	Topographical Anatomy 1-5 AL	Pharmacology 1-2 406	
2-3	Pharmacology Laboratory Section I 2-5 302		Pharmacology Laboratory Section II 2-5 302		Physiology 2-3 205	
3-4						
4-5						

THIRD YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medical Clinic ¼ class 8 weeks 8-9 C	Medical Clinic ¼ class 8 weeks 8-9C	Medical Clinic ¼ class 8 weeks 8-9 C	Medical Clinic ¼ class 8 weeks 8-9 C	Surgical Clinic ¼ class 4 weeks 8-10 C	Surgical Clinic ¼ class 4 weeks 8-10 C
9-10	Pediatric Clinic ⅛ class 4 weeks 9-11 C	Medical Clinic ½ class 8-10 U	Orthopedic Surgery Clinic ½ class 9-10 C	Surgical Clinic ¼ class 4 weeks 8-10 C	Oto-Laryngology Conference ⅛ class 4 weeks 9-10 X	
10-11	Contagious Clinic (Pediatrics) ⅛ class 4 weeks 9-11 C		Medical Clinic ½ class 10-12 C	Oto-Laryngology 10-11 406	Obstetrics 10-11 303	Surgical Clinic ¼ class 4 weeks 10-12 C
11-12	Orthopedic Surgery Clinic ½ class 11-12 C	Obstetrics 11-12 303		Obstetrics 11-12 303	Pediatrics 11-12 303	Obstetric Laboratory ⅛ class 4 weeks 10-12 305
12-1	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U
1-2	Optional Subjects 1-2	Autopsies ½ Class 1-3 C	Optional Subjects 1-2	Therapeutics 1-2 303	Orthopedic Surgery 1-2 303	Therapeutics 1-2 303
2-3	Dispensary 2-4 Sections 1-4	Dispensary 2-4 Sections 5-8	Oto-Laryngology Clinic ¼ Class 8 weeks 2-4 R Dispensary 1-4 Sections 1-4	Dispensary 2-4 Sections 5-8	Dispensary 2-4 Sections 1-4	Dispensary 2-4 Sections 5-8
3-4						
4-5	Medicine 4-5 303	Medicine 4-5 303	Medicine 4-5 303	Surgery 4-5 303	Medicine 4-5 303	Optional Subject 4-5
5-6	Surgery 5-6 303	Optional Subjects				

FOURTH YEAR COURSE—FIRST SEMESTER—PROVISIONAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medical Clinic ¼-class eight weeks 8-10 A Medical Clinic ¼-class eight weeks 8-10 L	Contagious Clinic (Pediatrics) ¼-class four weeks 8-10 C Genito-Urinary Surgery Clinic ⅛-class six weeks 8-10 C	Medicine 8-9 205	Medical Clinic ¼-class eight weeks 8-10M Surgical Clinic ½-class 8-10 C Genito-Urinary Surgery Clinic ⅛-class six weeks 8-10 C	Medicine 8-9 205	Surgical Clinic ¼ class 8 weeks 8-10 C Medical Clinic ½ class 8 weeks 8-10 C
9-10	Surgical Clinic ½-class 9-10 C		Obstetrics 9-10 406		Gynecology 9-10 205	
10-11	Neurology ¼-class eight weeks 10-12 X Surgical Clinic ¼-class eight weeks 10-12 A Surgical Clinic ¼-class eight weeks 10-12 L Medical Clinic ¼-class eight weeks 10-12 C	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Genito-Urinary Surgery Conference ¼-class eight weeks 11-12 J	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Obstetric Clinic ½-class 11-12 U	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Surgical Clinic ¼-class eight weeks 10-12 M Surgical Clinic ¼-class eight weeks 10-12 C	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Obstetrics Manikin ¼-class eight weeks 10-12: 406 Obstretrics Laboratory ¼-class four weeks 10-12: 112	Neurology ¼-class eight weeks 10-12 X Ophthalmology ⅛-class four weeks 10-12 X Pediatrics ⅛-class four weeks 10-12 X Pediatric Clinic ½-class 10-12 C
11-12						
12-1	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U	Obstetrics (B) 12-1 U
1-2	Optional Subject 1-2	Optional Subject 1-2	Optional Subject 1-2		Medicine 1-2 205	
2-3	Surgical Clinic ¼ class 8 weeks 2-4 C	Dispensary 2-4	Medical Clinic ¼ class 8 weeks 2-4 C Surgical Clinic ½ class 2-4 U Dispensary 2-4	Neurology and Psychiatry ½ class 1:15-3:15 D Dispensary 2-4	Gynecology Clinic ½-class 2-4 C Dispensary 2-4 Surgical Pathology ¼-class eight weeks 2-4 112	Ophthalmology ¼ class 4 weeks 2-4 Dispensary 2-4
3-4	Dispensary 2-4					
4-5	Medicine 4-5 205	Dermatology 4-5 205	Optional Subjects 4-5	Optional Subjects 4-5	Surgery 4-5 205	Optional Subjects 4-5
5-6	Obstetrics 5-6 205	Obstetrics 5-6 205		Optional Subjects 5-6	Seminar 5-6 201	

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association of the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Harry C. Bigglestone, maintains his headquarters in the reception room of the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the Social and Religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such services. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the seven medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—Lewis J. Hammers, '02, Lexington, Illinois.
President-elect—William M. Crosier, '07, Alexis, Illinois.
First Vice-President—William H. Bradley, '10, 3958 Roosevelt Rd., Chicago.
Second Vice-President—Charles M. Davison, '20, 2330 W. Jackson Blvd., Chicago.
Third Vice-President—Charles Ryan, '09, Philo, Illinois.
Secretary-Treasury—John M. Krasa, '13, 3100 Washington Blvd., Chicago.
Delegate to Alumni Council—Robert W. Morris, '02, 4310 Ellis Ave., Chicago.
Member Executive Committee—W. E. Potter, '00, Oak Park, Illinois.
Necrologist—M. Robert Weidner, '83, Dalton, Illinois.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded at the University of Illinois, College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

OFFICERS

George Shaynin Livingston, President
Simeon Leo Berman, Vice-President
Albert LeRoy Potts, Secretary-Treasurer
Nathan Zeitlin
Clarence Orville Hughes

SECOND GROUP OF CLASS OF 1921

William Harcourt Browne
Harold Barker Loughery
Paul White Rush
Irving Joseph Shapiro
Frederick August Rettig
Walter John Richard Heinekamp
Alfred Stanley Traisman

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in November, 1913, many such papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

PAPERS READ BEFORE THE MEDICAL RESEARCH CLUB OF THE UNIVERSITY OF ILLINOIS

1920-1921

"A Simple Device for the Measurement of Basal Metabolism," with demonstration. Dr. Horry M. Jones.

"The Effect of Subcutaneous Injections of Solutions of Potassium Cyanide on the Catalase Content of the Blood." J. B. Bollman and Dr. Wm. H. Welker.

"The Production of Fats from Proteins." H. V. Atkinson.

"Enzyme Mobilization by Means of X-Ray Stimulation." Dr. Wm. F. Petersen and Clarence C. Saelhof.

"The Vitality and Visability of Streptococcus Hemolyticus in Various Waters." George S. Livingston.

"Hemolytic Streptococci in Appendix Vermiformis." Adolph Kraft.

"The Correlation of Rabbit Pneumonia and Human Influenzal Pneumonia." Clarence C. Saelhof.

"The Effect of Adrenalin on the Heart with Special Reference to the Slowing, with Variations in Pressure." Walter J. R. Heinekamp.

"The Sachs-Georgi Reaction for Syphilis." Dr. S. A. Levinson.

"Ducrey Bacillus Infection of the Face." Dr. D. J. Davis.

"Changes in the Coagulation Mechanism Following X-Ray Stimulation." Clarence C. Saelhof.

"On the Action of Menthol in Common Colds." Dr. H. A. McGuigan.

"Some Untoward Actions of Cascara Sagrada." Dr. H. A. McGuigan.

"Bacteriology of the Adenoids and Tonsils." Dr. I. Pilot.

"The Effect of Morphine in Acute Infection." A. Kraft.

"A Chapter from the Evolution of the Lymphatic System." Dr. Otto F. Kampmeier.

"X-Ray Stimulation of the Pancreas." Dr. Wm. F. Petersen.

"A Study of the Elimination of Salvarsan in the Urine." Dr. B. Barker Beeson and Dr. P. G. Albrecht.

"Symmetric Osteoporosis" (Literature Review). Dr. R. L. Moodie.

"The Autopsy on the Body of John Paul Jones." Dr. D. J. Davis.

"The Beginnings of Pharmacology." Dr. H. A. McGuigan.

DEGREES CONFERRED

Session 1920-1921

THE DEGREE OF DOCTOR OF MEDICINE

Conferred November 19, 1920, in Chicago

Ambrosio Ysidro Antonio, B. A.
Herbert Milton Tharp, B.S.

Conferred April 15, 1921, in Chicago

Paul Sterling Carley, B.S.

THE DEGREE OF BACHELOR OF SCIENCE

Conferred June 11, 1921, in Chicago

Samuel Abrahams
Julius Adler
Maurice Albach
Paul Gerhard Albrecht, Ph.D.
Carl Apple
Eugene Lester Baker
George John Baumgartner
Albert Jay Boner
William Mitchell Byers
Robert Paul Caron
Thorald Edward Davidson
Clement de Freitas
Jay Reed Dewey
Isadore Abraham Drues
Robert Dessent
Howard Milton Edwards
Julius Fleischner
David Epstein
Louis Feldman
Walter Charles Frenzel
Bernard Goldberg
Marcus Goodwin
Joseph Greengard
James Tobias Groot
Shirley Louis Hadden
Richard August Harris
James Howard Hoskins
Stanley J. Imbiorski
Stanley Florian Janicki
John Holly Jewell
Isaac Karlin
John Francis Kelly
Jacob Klein
Alfred Kobak
Nathaniel Benjamin Lans
Elmer Arnold Lansche
Benjamin Mordecai Levin
Roy Christian Lintner
Louis Litton, R.Ph.
Frank Blackburn Lucas
Clark Russell William Magill
Chauncey Carter Maher
William Alfred Mann, Jr.
Albert Ilmer Mathre
Floyd Lawrence McGrath
Harry Oliver Maryan
Paul Burns Monroe
Azor Victor Nasatir
Melvin Max Newman
Johannes Nielsen
Celia Evelyn Owens
Gaudencio E. Piit
Dwight Coleman Reeves
Theodore Ferdinand Reuther
Thomas Paine Saltiel
William Schecter
Joseph Clarence Sodaro, Jr.
Richard Boothby Stoops
Glenn Joseph Tygett
John Trimmer Wead
Henry George Wehringer
Marie Wessels
Cordelle Atherton Wood

CERTIFICATE PRESENTED JUNE 11, 1921, IN CHICAGO

Students who have completed four years of scheduled work in the College of Medicine of the University of Illinois, and who upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the Degree of Doctor of Medicine.

Lewis Albert Alesen, B.S.
Philip Lazarus Aries, B.S.
Carl Alfons Bacon, B.S.
Edle Lillian Bendeke, A.B.
L. Benno Bernheimer
Julius Brams, B.S.
Paul Jones Bronson, B.S.
William Harcourt Browne, B.S.
Richard Clare Burkett, B.S.
Frank Leland Chenoweth, B.S.
John Spurgeon Coleman, B.S.
Neal Dow Crawford, B.S.
Ernest Napoleon D'Alcorn, B.S.
John Dwight Davis, A.B.
Howard Olney Dennis, B.S.
Pedro Joaquin Dona, B.A., B.S.
Franklin Ransom Fitch, B.S.
William John Focke, B.S.
John Fisher Gainer, B.S.
Maxwell Julian Goldenson, B.S.
Harry Gordon, B.S.
Ruth Pierce Guilder, B.S.
Milton Boyce Hebeisen
Walter J. R. Heinekamp, B.S., M.S.
Charles Owen Hershey
Ralph Wesley Hoffman, B.S.
Anthony John Hospers
Ingvald Johan Jensen, B.S.
Irving Joseph Shapiro, B.S.
Herman Milton Soloway
Hyman Ischia Spector, B.S.
Irwin Gabriel Spiesman, B.S.
Frank Stewart, A.B.
Henry S. Testin
Alfred Stanley Traisman, B.S.
Harrison Bonwell Jewell, B.S.
John Holly Jewell
James Paul Johnston
Ralph August Kordenat, B.S., M.S.
Adolph Kraft, B.S., M.S.
Joseph Eli Laibe, B.S.
Abe Louis Levin
Ethel Esther Little, A.B., B.S.
Harold Barker Loughery, B.S.
Don Clayton Merrill, B.S.
Raymond Ervin Mitchell
Rudolph J. Mroz, B.S.
Jacob Herman Nemeroff
Arnold Carl Nickels, B.S.
Roger Edmund Pinkerton, A.B., B.S.
Samuel Glenwood Plice, B.S.
Casimir Frank Przypyszny, B.S.
Oscar Benjamin Raginsky, B.S.
Frederick August Rettig, B.S.
Frank Raymond Richmond, B.S.
Theodore August Rost, B.S.
Maurice Joseph Rosenberg, B.S.
Irwin Rubin, B.S.
Julius Rhodes, B.S.
Dorrin Fred Rudnick
Paul White Rush, B.S.
Clarence Charles Saelhof, B.S., M.S.
Robert Henry Schroeder, B.S.
Theodore Ross Van Pelt, B.S.
Homer Samuel Warren, Jr., B.S.
Leonard F. Weber
Louis Jerome Wisch
William Yonker, B.S.
Sofronio Copon Zulaybar, B.S.

REGISTER OF STUDENTS

Session of 1921-1922

FIFTH YEAR CLASS

Cook County Hospital Chicago, Illinois	Julius Brams
	Samuel Glenwood Plice
	William Harcourt Browne
	Neal Dow Crawford
	Walter John Richard Heinekamp
	Dorrin Fred Rudnick
	John Fisher Gainer
	Frank Raymond Richmond
	Paul White Rush
	Roger Edmund Pinkerton
	Fred Rush Thompson
Alexian Brothers' Hospital Chicago, Illinois	Herman Milton Soloway
Augustana Hospital Chicago, Illinois	Joseph Eli Laibe
City and County Hospital St. Paul, Minnesota	William John Focke
	Harold Barker Loughery
Grant Hospital Chicago, Illinois	Charles Owen Hershey
	Jacob Herman Nemeroff
	Julius Rhodes
Henrotin Hospital Chicago, Illinois	Ralph August Kordenat
	Ethel Esther Little
	Leonard L. Charpier
Iowa Methodist Hospital Des Moines, Iowa	Harrison Bonwell Jewell
	John Holly Jewell
King's County Hospital Brooklyn, New York	Paul Jones Bronson
	Frank Stewart
Los Angeles County Hospital Los Angeles, California	Lewis Albert Alesen
	Richard Clare Burkett
	Howard Olney Dennis
	Ralph Wesley Hoffman
	Louis Jerome Wisch
Metropolitan Hospital New York City	John Spurgeon Coleman
	Ernest Napoleon D'Alcorn
	Irwin Gabriel Spiesman
Michael Reese Hospital Chicago, Illinois	*Philip L. Aries
	*Abe Louis Levin
	Oscar B. Raginsky
	*Maurice Joseph Rosenberg
	*Irving Joseph Shapiro
	*Alfred Stanley Traisman
	Homer Samuel Warren, Jr.

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*Students who successfully passed the Cook County examinations after having accepted interneship in the Michael Reese Hospital.

New England Hospital for Women and Children Boston, Massachusetts	Edle Lillian Bendeke
North Chicago Hospital Chicago, Illinois	L. Benno Bernheimer
Northern Pacific Hospital Missoula, Montana	Ingvald Johan Jensen
Northern Pacific Benefit Hospital Brainerd, Minnesota	James Paul Johnston
Philippine General Hospital Manila, P.I.	Sofronio C. Zulaybar
Providence Hospital Detroit, Michigan	Pedro Joaquin Dona
St. Anthony de Padua Hospital Chicago, Illinois	Leonard Fred Weber
St. Joseph's Hospital Chicago, Illinois	Arnold Carl Nickels Frederick August Rettig Theodore Ross Van Pelt
St. Louis City Hospital St. Louis, Missouri	Maxwell Julian Goldenson Harry Gordon Irwin Rubin Hyman Ischia Spector
St. Luke's Hospital St. Paul, Minnesota	Milton Boyce Hebeisen
St. Mary's of Nazareth Hospital Chicago, Illinois	Casimir Frank Przypyszny
St. Vincent's Hospital Indianapolis, Indiana	Raymond Erwin Mitchell
Seattle City Hospital Seattle, Washington	John Dwight Davis
Univ. of Ill., College of Medicine Chicago, Illinois (Research work—Pathology Dept.)	Ruth Pierce Guilder
University Hospital Chicago, Illinois	Carl Alfons Bacon Frank Leland Chenoweth Adolph Kraft Don Clayton Merrill
West Side Hospital Chicago, Illinois	Rudolph J. Mroz Theodore August Rost Clarence Charles Saelhof William Yonker
West Suburban Hospital Chicago, Illinois	Franklin Ransom Fitch Anthony John Hospers
	Robert Henry Schroeder

Session of 1920-1921

FOURTH YEAR CLASS

Alesen, Lewis Albert, B.S.	*Michigan*
Aries, Philip, B.S.	*Illinois*
Bacon, Carl Alfons	*Illinois*
Bendeke, Edle Lillian	*Minnesota*
Bernheimer, L. Benno	*Indiana*

Brams, Julius, B.S.	*Illinois*
Bronson, Paul Jones, B.S.	*Indiana*
Browne, William Harcourt, B.S.	*Illinois*
Burkett, Richard Clare, B.S.	*California*
Chenoweth, Frank Leland, B.S.	*Illinois*
Coleman, John Spurgeon, B.S.	*Kansas*
Crawford, Neal Dow, B.S.	*Minnesota*
D'Alcorn, Ernest Napoleon, B.S.	*Illinois*
Davis, John Dwight, A.B.	*Nebraska*
Dennis, Howard Olney, B.S.	*New Mexico*
Dona, Pedro Joaquin, B.S.	*Honduras*
Fitch, Franklin Ransom, B.S.	*Illinois*
Focke, William John	*Illinois*
Gainer, John Fisher, B.S.	*Illinois*
Gordon, Harry, B.S.	*Illinois*
Guilder, Ruth Pierce	*Pennsylvania*
Hebeisen, Milton Boyce, B.S.	*Minnesota*
Heinekamp, Walter J. R., B.S., M.S.	*Illinois*
Hershey, Charles Owen	*Colorado*
Hoffman, Ralph Wesley	*Iowa*
Hospers, Anthony	*Iowa*
Jensen, Ingvald, B.S.	*Illinois*
Jewell, Harrison Bonwell, B.S.	*Iowa*
Jewell, John Holly	*Iowa*
Johnston, James Paul	*Iowa*
Kordenat, Ralph August, B.S., M.S.	*Illinois*
Kraft, Adolph, B.S., M.S.	*Illinois*
Laibe, Joseph E., B.S.	*Illinois*
Levin, Abe Louis, B.S.	*Illinois*
Little, Ethel Esther, B. S.	*Illinois*
Loughery, Harold Barker, B.S.	*Illinois*
Merrill, Don Clayton, B.S.	*Utah*
Mitchell, Raymond Ervin	*Indiana*
Mroz, Rudolph	*Illinois*
Mulfinger, Carl Leonard, B.S.	*Illinois*
Nemerof, Jacob	*Illinois*
Nickels, Arnold Carl, B.S.	*Wisconsin*
Pinkerton, Roger Edmond, A.B., B.S.	*Nebraska*
Plice, Samuel Glenn, B.S.	*Illinois*
Przypyszny, Casimir, B.S.	*Illinois*
Raginsky, Oscar	*Illinois*
Rettig, Frederick August, B.S.	*Illinois*
Richard, Frank Raymond, B.S.	*Illinois*
Rosenberg, Maurice Joseph, B.S.	*Illinois*
Rost, Theodore August, B.S.	*Illinois*
Rozinsky, Julius	*Illinois*
Rubin, Irwin, B.S.	*Illinois*
Rudnick, Dorrin Fred	*Illinois*
Rush, Paul White, B.S.	*Illinois*
Saelhof, Clarence Charles, B.S., M.S.	*Illinois*

Schroeder, Robert Henry, B.S.	*Illinois*
Shapiro, Irving Joseph, B.S.	*Illinois*
Soloway, Herman Milton	*Minnesota*
Spector, Hyman, B.S.	*Illinois*
Spiesman, Irwin Gabriel, B.S.	*Illinois*
Stewart. Frank, A.B.	*Illinois*
Testin, Henry	*Illinois*
Tolpin, Samuel, B.S.	*Illinois*
Traisman, Alfred Stanley, B.S.	*Illinois*
Van Pelt, Theodore Ross, B.S.	*Iowa*
Warren, Homer Samuel, B.S.	*Illinois*
Weber, Leonard Fred	*Illinois*
Wisch, Louis J.	*Illinois*
Yonker, William, B.S.	*Illinois*

THIRD YEAR CLASS

Abrahams, Samuel	*Illinois*
Anderson, Bertha Maria G.	*Colorado*
Bailey, Bayard Melvin, B.S.	*Illinois*
Berman, Simeon Leo, B.S.	*Illinois*
Block, Coleman Alex, B.S.	*Iowa*
Bloom, Arthur Reuben, B.S.	*Illinois*
Bollman, Jesse Louis, A.B., M.S.	*Illinois*
Boner, Albert Jay	*Illinois*
Buhrman, William Lane, B.S.	*Illinois*
Burst, William	*Illinois*
Charpier, Louis Leonard, B.S.	*Illinois*
Cirlin, Marcus	*New York*
Dewey, Jay Reed	*Iowa*
Donaly, Ruby Marie	*Illinois*
Doolen, Glenn Wesley, B.S.	*Illinois*
Drues, Isadore Abraham	*Illinois*
Edidin, Louis, B.S.	*Illinois*
Elfeld, Persis, B.S.	*Illinois*
Faxon, Donald Eugene, B.S.	*Illinois*
Fleischner, Julius	*Illinois*
Hughes, Clarence Orville, B.S.	*Illinois*
Josewski, Raymond Julian	*North Dakota*
Livingston, George Shaynin, B.S.	*Illinois*
Maizus, Saul Hyman	*Illinois*
Mandel, Robert Meyer, B.S.	*Illinois*
Maryan, Harry I.	*Illinois*
Masterton, Edward Lincoln	*Illinois*
Moeur, John Kelly	*Arizona*
Monroe, Paul Burns	*Wisconsin*
Myers, William Henry, B.S.	*Illinois*
Pilka, Herman, B.S.	*Illinois*
Pontius, Guy Victor, B.S.	*Indiana*
Potts, Albert Leroy, B.S.	*Illinois*

Prescott, Manfred Ullman, B.S.	*Illinois*
Prilla, Evsay, B.S.	*Illinois*
Rappaport, Benjamin, B.S.	*Illinois*
Reinhard, Otto Andrew, B.S.	*Illinois*
Resnik, Tobias, B.S.	*Illinois*
Rissinger, Arthur Joe	*Illinois*
Rubin, Henry Harry, B.S.	*Illinois*
Rutledge, James Hirst, B.S.	*Illinois*
Shelton, George C.	*Arkansas*
Sinai, Leah, B.S.	*Illinois*
Smith, Annie Thompson	*North Carolina*
Smith, Beulah Marie	*Illinois*
Ventress, Ward Huston, B.S.	*Illinois*
Welensky, David Arthur, B.S.	*Illinois*
Zeitlin, Nathan, B.S.	*Illinois*

SECOND YEAR CLASS

Adler, Julius	*Illinois*
Albach, Maurice	*Illinois*
Albrecht, Paul Gerhard, Ph.D.	*Illinois*
Alcivar, Ernest	*New York*
Apple, Carl	*Illinois*
Baker, Eugene Lester	*Illinois*
Baumgartner, George John	*Illinois*
Bratrude, Amos Preston	*Minnesota*
Byers, William Mitchell	*Washington*
Caron, Robert Paul	*Illinois*
Cohen, Abe Wilbur	*Minnesota*
Davidson, Thorald Edward, B.S.	*Iowa*
De Freitas, Clement	*Guiana, S. A.*
Dessent, Robert	*Illinois*
Edwards, Eugene Albert	*Indiana*
Edwards, Howard Milton	*Illinois*
Epstein, David	*Illinois*
Feldman, Louis	*Illinois*
Frenzel, Walter Charles	*Wisconsin*
Goff, Charles Weer	*Iowa*
Goldberg, Bernard	*Illinois*
Goodwin, Marcus	*Illinois*
Greengard, Joseph	*Illinois*
Groos, Harold Quinten	*Michigan*
Groot, James Tobias, S.B.	*Illinois*
Hadden, Shirley Louis	*Illinois*
Hahn, James Pendleton	*South Carolina*
Harris, Richard August	*Illinois*
Harris, Sigil Clance	*South Dakota*
Hartzler, David Archie	*Pennsylvania*
Horn, Isadore	*Illinois*
Hoskins, James Howard	*North Dakota*
Imbiorski, Stanley J.	*Illinois*

Janicki, Stanley Florin	*Illinois*
Jongewaard, Jeanette	*Iowa*
Karbelnig, Morris	*Illinois*
Karlin, Isaac	*Illinois*
Kellogg, Douglas Sheldon	*Illinois*
Kelly, Edward Joseph	*Illinois*
Kelly, John Francis	*Indiana*
King, Mrs. G. Paz	*Philippines*
Klein, Jacob	*Illinois*
Lans, Nathaniel Benjamin	*Illinois*
Lansche, Elmer Arnold	*Illinois*
Lenit, Harold Walter	*Illinois*
Levin, Benjamin Mordecai	*Illinois*
Lintner, Roy Christian	*Illinois*
Litton, Louis	*Illinois*
Lorfeld, Gerhard William	*Wisconsin*
Lucas, Frank Blackburn	*Illinois*
Magill, Clark Russel William	*Illinois*
Maher, Chauncey Carter	*Illinois*
Mandel, Harry	*Illinois*
Mathre, Albert Ilmer	*Illinois*
Merchant, Henry Alpheus	*Kentucky*
Mills, Morton Joseph	*Illinois*
Montezon, Apolonio Fermin	*Philippines*
McGrath, Floyd Lawrence	*Illinois*
McIntire, Emery J.	*Missouri*
Nasatir, Azor Victor	*California*
Newman, Melvin Max	*Illinois*
Nielson, Johannes	*Illinois*
Owens, Celia Evelyn	*Michigan*
Piit, Gaudencio	*Philippines*
Ralston, John Francis	*Illinois*
Reeves, Dwight Coleman	*Illinois*
Reuther, Theodore Ferdinand	*Illinois*
Saltiel, Thomas Paine	*Illinois*
Schecter, William	*Illinois*
Seuerian, Arshag K.	*Armenia*
Smith, John Frederick	*Ohio*
Sodaro, Joseph Clarence	*Illinois*
Stoops, Richard Boothby	*Illinois*
Tranter, Paul W.	*South Dakota*
Tygett, Glenn Joseph	*Illinois*
Wead, John Trimmer	*Illinois*
Wehringer, Henry George	*Illinois*
Weiner, Samuel	*Illinois*
Wessels, Marie	*Illinois*
White, Mary Agnes	*Illinois*
Wilke, Carl August	*Illinois*
Wood, Cordelle Atherton	*Illinois*
Wright, Elizabeth Belle Smith	*Illinois*
Yahya, Mohammed	*Syria*

FIRST YEAR CLASS

Abrahams, William Frederick	*Illinois*
Armitage, Ralph Boyce	*Illinois*
Astell, Louis Alexander	*Illinois*
Bigglestone, Harry Clinton, A.B.	*Illinois*
Bolotin, Max T.	*Illinois*
Bronston, Albert Sam	*Michigan*
Brough, Glen Amos	*Illinois*
Brown, Hyman Nathanson	*Illinois*
Chavis, Alex	*Illinois*
Collins, Loren Leslie	*Illinois*
Colyer, Raymond G.	*Illinois*
Connell, Charles William	*Iowa*
Conrad, Clyde Kenneth	*Illinois*
Cooper, Arthur Reuben, A.B., A.M., Ph.D.	*Illinois*
Crabtree, Joe P.	*Illinois*
Crow, Robert Neil	*Illinois*
Dalsky, David	*Illinois*
Davis, Irwin	*Illinois*
Deitchmann, Morris Michael	*Illinois*
Deuss, Hugo Otto	*Illinois*
Deutsch, Isadore Herman	*Illinois*
Deutsch, Preston Peter	*Illinois*
Dooley, Ralph Dean	*Illinois*
Duggan, Willard Maurice	*Iowa*
Dyett, Walter Henry	*Illinois*
Ehrhardt, Oliver Earl	*Illinois*
Elliott, William Gibson	*Michigan*
Eshman, Louis Aaron	*Illinois*
Etherton, Fred Snider	*Illinois*
Ettleson, Abraham	*Illinois*
Eye, Charles Herold	*Iowa*
Finkle, Albert Mark	*Illinois*
Fischer, Jacob	*Illinois*
Flynn, John Francis	*Illinois*
Flynn, Robert William	*Illinois*
Fox, Chester Phillip	*Illinois*
Frye, Lawrence	*Illinois*
Gevirtz, Milton B.	*Indiana*
Gilbert, Ivan	*Illinois*
Glassoff, George Samuel	*Illinois*
Glickman, Leo Grant	*Illinois*
Goebel, Russel Walter	*Illinois*
Gorham, Wilbur Clark	*Indiana*
Gormley, John Harry	*Illinois*
Groves, Robert Leroy	*Illinois*
Guttman, Maurice	*Illinois*
Halpern, Louis Joseph	*Illinois*
Horsky, Brooke	*Montana*

Hupe, George Fred	*Illinois*
Jenkins, Lyman Hall	*Illinois*
Jerkowsky, Morris Solomon	*Illinois*
Johnson, Howard Reynolds	*Illinois*
Johnson, John Robert	*Illinois*
Jones, Arthur Pembroke	*Illinois*
Kaplan, Samuel	*Illinois*
Kenny, William Lloyd	*Illinois*
Knowles, Horace Earle	*Illinois*
Kronenberg, Milton	*Illinois*
Lasofsky, Benjamin	*Illinois*
Leitch, Neil McLean	*Illinois*
Lenth, Vincent James Thomas	*Illinois*
Lenzen, Aloysius Francis, A.B.	*Illinois*
Lerche, Thorleif Iverson, D.D.S.	*Illinois*
Lifvendahl, Richard Axel	*Illinois*
Linsky, Morris	*Illinois*
Marcusson, William Beringer, Jr.	*Illinois*
Margolis, Jesse	*Pennsylvania*
Meals, Robert Woodruff	*Illinois*
Meyer, Raymond John	*Illinois*
Meyer, William P.	*Illinois*
Mora, Jacob Morton	*Illinois*
Mulcahy, John P.	*Illinois*
McNally, Andrew	*Illinois*
Nowlin, Owen Wendell Eman	*Illinois*
Nystrom, Charles Gustav	*Illinois*
O'Hora, Clarence M.	*Wisconsin*
Perman, Louis W.	*New York*
Picard, Arthur Paul	*Illinois*
Ponzer, Emma	*Illinois*
Poulson, Charles T.	*South Dakota*
Quackenbush, Charles Verbeck	*Illinois*
Roberts, Dewey Minnis	*Illinois*
Robertson, Robert Crawford	*Illinois*
Robertson, Thomas Sanderson	*Illinois*
Rogers, Jesse P.	*Pennsylvania*
Rosenbloom, David	*California*
Rubenstein, Joseph	*Illinois*
Schafer, Robert	*Illinois*
Schiff, Abe Leo	*Illinois*
Schinberg, David	*Illinois*
Schirmer, Elizabeth Helen	*Illinois*
Shapiro, Sherman Lawrence	*Illinois*
Singer, Harry	*Illinois*
Smejkal, Frank John	*Illinois*
Smith, Charles Raimer	*Illinois*
Snaveley, Ralph B.	*Illinois*
Stackhouse, Effie Olive	*Illinois*
Streicher, Michael Henry	*Illinois*

Sutch, Vincent J.	*Illinois*
Thomas, Joseph Hancock	*Illinois*
Thornton, Maurice John	*Indiana*
Thurston, Alvin Stewart	*Illinois*
Uthoff, Carl Joseph	*Illinois*
Vener, Hyman	*California*
Warmolts, Earle Hugh	*Illinois*
Wessel, Marion	*Illinois*
Wood, Wilbur Stuart	*Illinois*
Yancovsky, Samuel	*Illinois*
Yockey, Clarence John	*Illinois*
Young, Edmund V.	*Illinois*

UNIVERSITY OF ILLINOIS

THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

SUMMER QUARTER
1921

ERRATA

On page 81, for "DAVID KINLEY, PH.D., LL.D., ACTING PRESIDENT, *Professor of Economics,*" read "PRESIDENT."

On page 73, Samuel Tolpin, B.S., is incorrectly listed. His name should appear in the "Third Year Class."

ANNOUNCEMENT

SUMMER QUARTER OF 1921

THE graduate summer quarter in the Medical Sciences will begin June 13 and end September 3, 1921

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY*

DAVID KINLEY, PH.D., LL.D., ACTING PRESIDENT, *Professor of Economics*

ARTHUR HILL DANIELS, PH.D., ACTING DEAN OF GRADUATE SCHOOL *and Professor of Philosophy*
WILLIAM LEONIDAS BURLISON, PH.D., *Professor of Crop Production*
ALBERT PRUDEN CARMAN, A.M., D.SC., *Professor of Physics*
WALTER CASTELLA COFFEY, M.S., *Professor of Sheep Husbandry*
JULIUS GOEBEL, PH.D., *Professor of Germanic Languages*
LAURENCE MARCELLUS LARSON, PH.D., *Professor of History*
WILLIAM ALBERT NOYES, PH.D., LL.D., *Professor of Chemistry*
WILLIAM ABBOTT OLDFATHER, PH.D., *Professor of Classics*
STUART PRATT SHERMAN, PH.D., *Professor of English*
ARTHUR NEWELL TALBOT, C.E., *Professor of Municipal and Sanitary Engineering*
EDGAR JEROME TOWNSEND, PH.D., LL.D., *Professor of Mathematics*
HENRY BALDWIN WARD, PH.D., *Professor of Zoology*
EDWARD WIGHT WASHBURN, PH.D., *Professor of Ceramic Chemistry*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

HENRY BALDWIN WARD, Ph.D., *Chairman*
ALBERT CHAUNCEY EYCLESHYMER, Ph.D., M.D.
DAVID JOHN DAVIS, Ph.D., M.D.
WILLIAM HENRY WELKER, Ph.D., *Secretary*

The Teaching Faculty†

1920-21

ALBERT CHAUNCEY EYCLESHYMER, PH.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
DAVID JOHN DAVIS, Ph.D., M.D., *Professor and Head of the Department of Pathology*
HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica, and Therapeutics*
ROY LEE MOODIE, Ph.D., *Assistant Professor of Anatomy*
WILLIAM HENRY WELKER, Ph.D., *Associate Professor of Physiological Chemistry*
OTTO FREDERIC KAMPMEIER, PH.D., *Associate Professor of Anatomy*

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*The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendation of the Dean of the Graduate School.

†The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

Graduate Work in the Medical Sciences

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college, as described below, may be admitted to the Graduate School, provided he satisfies the Director and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years, unless the work is done exclusively in the summer quarters.

For purposes of admission to the Graduate School a *standard college* is one which meets the following requirements:

1. An enrollment of not fewer than one hundred students of college grade with an average for a series of years of at least twenty-five per cent registered in the junior and senior classes.

2. A graduation requirement of four years (120 semester hours) of collegiate grade.

3. A minimum entrance requirement of 14 units. By the minimum requirement is meant the smallest number of units with which a student may be permitted to begin college work, i. e., the nominal requirement minus the number of units of conditions allowed.

4. A requirement that all entrance conditions must be removed before a student may be permitted to begin a second year of work in the same institution.

5. Not less than eight distinct departments in liberal arts and sciences, with at least one professor giving full time to college work in each department.

6. A minimum educational attainment of all college teachers of academic subjects equivalent to graduation from a college of high grade and graduate work equal to that required for the master's degree at the University of Illinois.

7. A maximum of 16 semester hours per week required of college teachers.

8. A maximum enrollment of 30 students in recitation or laboratory sections.

9. Buildings and equipment of the value of at least $100,000.

10. A productive endowment sufficient to yield a net annual income of at least $10,000 available for instructional purposes in the college department (liberal arts and sciences). If the institution offers courses in addition to the usual liberal arts course, it shall have a correspondingly larger income.

11. A library of not less than 10,000 bound volumes in addition to public documents.

12. Laboratory equipment of a value of not less than $3,000 in physics ($4,000 if work is offered in advance of one year course), $2,500 in chemistry, and $2,500 in biology.

13. In addition to the foregoing specific requirements, the general standard of the administration and faculty shall be considered.

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Advisers.—The person in charge of the major work of the student becomes his adviser, and, together with those with whom the student is taking first and second minor courses, forms a committee with general supervision over the student's general course of study. This committee is expected to follow the student's work, to assist him in planning his course and to give him such advice as may be necessary concerning his scholastic career.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of senior year, and then only for minor subjects, and on petition.

If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Director.

GRADUATE WORK IN THE MEDICAL SCIENCES

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

The enrollment of a member of the staff is subject to the approval of the officer to whom he is responsible as a member of the staff and of the Director of the Graduate School with reference to the amount of work to be taken. Before credit may be recorded for such graduate student at the end of a semester, the head of the department in which he is employed, or some one authorized by the head, must certify that the time given to graduate work by the student has not impaired the work for which he is paid by the University.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Students should note that all the work for the master's degree must be done in residence at the University, excepting in the case of members of the staff who have spent half of their time in study through a year at some other institution, and then do the rest of the work required during a year in residence here. This privilege is extended also to high-school teachers residing and employed in Urbana or Champaign.

Credit for work done elsewhere is not transferred. The candidate is examined here on all the work required for the degree.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. See the regulations concerning changes in study lists, page 11 of the Graduate School Circular. If he wishes to withdraw from the University, he must get clearance papers at the Director's office.

Degrees

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practise is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practise may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practise is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Student's work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work. The degree will not be awarded to any student who does not secure a grade of B or higher in three-fourths of the work (number of units) for the degree, including his thesis.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

A program of studies for a first-year graduate student which is limited exclusively to the investigation of a single problem will not be approved.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation

of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. *In no case will permission to take the degree without the thesis be given by the Director if applied for later than the latest date for the approval of thesis subjects as shown by the calendar.* A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at the time set in the calendar. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

The Degree of Doctor of Philosophy

Majors and Minors.—The requirements for the degree of Doctor of Philosophy are a thoro mastery of a selected field of study, evidence of the power of independent investigation in this field, a broad knowledge of the wider field of study of which this major subject is a part, a general acquaintance with related fields of knowledge, and a mastery of all branches of study which are necessary to a full knowledge of the main subject. Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and second minor. The major subject is the field in which the student expects to become expert and an authority. The first minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The second minor should be chosen outside of the major field of study, and must be so chosen by a candidate who elects a division of his major field for his first minor.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

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[1] No other will be accepted by the Dean. "Instructions for the preparation of theses may be obtained at the Secretary's office, Room 309.

Credit for work done in other universities is not "transferred." The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

Preliminary Examination.—Towards the end of his second year of study, or, by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

Language Examination.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. The test of proficiency in the use of French and German takes place not later than the time of the preliminary examination for admission to candidacy.

Final Examination.—On or before the last Monday in May of the year in which the candidate expects to come up for his degree, he must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but it is not confined to that. It extends to the whole field of the study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied. If, after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

GRADUATE WORK IN THE MEDICAL SCIENCES

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at the times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The doctor's thesis must be printed and one hundred copies deposited in the Library of the University by the candidate, not later than the first of June preceding the conferring of the degree. In form, the printed thesis must follow the "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Secretary's office on application. If it is not printed by the first of June, the student must, not later than that date, deposit seventy-five dollars ($75) or a bond for that amount satisfactory to the Comptroller of the University and the Dean of the Graduate School. A member of the faculty of the University of Illinois will not be accepted as a guarantor on such a bond. If a bond is accepted, it must be replaced at the end of one year with a cash deposit. At the end of two years, if the thesis has not then been printed by the student, the University will print it or such part of it as is deemed best.

The cash deposit made by the student who does not print his thesis by the end of the second year after his degree is conferred becomes the property of the University, to be used for the general purpose of printing theses.

The title page of each thesis, whether typewritten or printed, must bear the words, "Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in—(here put the major subject)—in the Graduate School of the University of Illinois." The title page must also contain the full name of the author, his previous degrees, the full title of the thesis, the year of imprint, and, if a reprint, the title, volume, and statement of the pagination of the volume from which it is reprinted. Each thesis must have an appendix giving a short biography of the candidate, including the institutions he has attended, his degrees and honors, the titles of his publications, and such other matters as are pertinent.

FEES AND EXPENSES.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Incidental fee (summer quarter)	10.00
Incidental fee (semester)	15.00
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	5.00

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

GRADUATE WORK IN THE MEDICAL SCIENCES

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to scholars, fellows, or members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from scholars, fellows, or members of the corps of instruction or of the scientific staffs mentioned above.

GRADUATE WORK IN THE MEDICAL SCIENCES

Departments of Instruction

ANATOMY

101. HISTOGENESIS.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading. *One unit.*
Professor EYCLESHYMER, Assistant Professor MOODIE and Associate Professor KAMPMEIER

103. INDIVIDUAL RESEARCH AND EMBRYOLOGY AND HISTOGENESIS.—*One or two units.*
Professor EYCLESHYMER, Assistant Professor MOODIE and Associate Professor KAMPMEIER

PHARMACOLOGY

101. ADVANCED PHARMACODYNAMICS.—Laboratory work.—*One unit.*
Professor McGUIGAN

103. RESEARCH WORK IN PHARMACODYNAMICS.—*One or two units.*
Professor McGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Associate Professor WELKER

103. BIOCHEMICAL RESEARCH.—*One or two units.*
Associate Professor WELKER

105. ADVANCED PHYSIOLOGY.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.*
____

109. RESEARCH WORK IN PHYSIOLOGY.—*One or two units.*
____

PATHOLOGY AND BACTERIOLOGY

101. ADVANCED PATHOGENESIS.—Etiology and pathogenesis of certain diseases with especial consideration of the rôle that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One unit.*
Professor DAVIS

103. INDIVIDUAL RESEARCH COURSE.—*One or two units.*
Professor DAVIS

Graduate Work in the Medical Sciences

REGISTER OF STUDENTS

Atkinson, Harry Victor—Pharmacology. B. S. (Ohio State Univ.), 1911. Van Wert, O.

Heinekamp, Walter John Richard—Pharmacology. B. S., 1919. Chicago.

Kordenat, Ralph August—Pathology. B.S., 1919. Urbana.

Kraft, Adolph—Bacteriology. B. S., 1919. Gilman.

Livingston, George Shaynin—Bacteriology. B. S. (Cornell Univ.), 1916. Chicago.

Saelhof, Clarence Charles—Pathology. B. S., 1919. Chicago.

DEGREES CONFERRED

The degree of Master of Science conferred September 14, 1920

Heinekamp, Walter John Richard, B.S.
Kraft, Adolph, B.S.
Livingston, George Shaynin, B.S.
Saelhof, Clarence Charles, B.S.

The degree of Master of Science conferred February 18, 1921

Kordenat, Ralph August, B.S.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In addition to the Library of the College of Medicine, the John Crerar Library is easily accessible from the College. In this library may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

The Quine Library.—The Library of the College of Medicine contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of many important medical journals. In addition to these the following scientific journals are regularly received. Those marked with an asterisk (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

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**American Journal of Anatomy*
**American Journal of Care for Cripples*
**American Journal of Diseases of Children*
American Journal of Electrotherapeutics & Radiology
**American Journal of Hygiene*
**American Journal of Insanity*
**American Journal of the Medical Sciences*
**American Journal of Obstetrics and Diseases of Women and Children*
**American Journal of Ophthalmology*
**American Journal of Physical Anthropology*
**American Journal of Physiology*
**American Journal of Public Health*
American Journal of Roentgenology
**American Journal of Syphilis*
**American Naturalist*
**American Review of Tuberculosis*
**Anatomical Record*
**Anatomische Hefte*
**Anatomischer Anzeiger*
**Annales de Gynecologie et d'obstetrique*

*_Annales de Dermatologie et de Syphiligraphie_
Annales de Hygiene Publique
*_Annales de l'Institut Pasteur_
*_Annals of Medical History_
*_Annals of Ophthalmology_
*_Annals of Otology, Rhinology and Laryngology_
*_Annals of Surgery_
*_Annals of Tropical Medicine and Parasitology_
*_L'Année Biologique_
Arbeiten de pharmaceutischen Institut der Universität Berlin
*_Arbeiten der pharmaceutischen Institut zu Dorpat_
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*_Archiv für Protistenkunde_
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*_Biochemical Journal_
*_Biochemische Zeitschrift_
*_Biological Bulletin_
*_Biologisches Centralblatt_
*_Biometrika_
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British Journal of Children's Diseases
*_British Journal of Dental Science_
*_British Journal of Experimental Pathology_
*_British Journal of Ophthalmology_
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Bulletins et Mémoires de la Société de Chirurgie de Paris

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Bulletin de la Société Francaise Dermatologie et de Syphiligraphie
Bulletins et Mémoires de la Société Médicale des hôpitaux de Paris
*Bulletin of the Society of Medical History of Chicago
*Bulletin de la Société de Pathologie Exotique
*Canadian Medical Association Journal
*La Cellule
*Centralblatt für allgemeine Pathologie und Pathologische Anatomie
*Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Originale
*Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Referate
Centralblatt für Experimentellen Medizin
*Centralblatt für Innere Medicin
Centralblatt für die medicinischen Wissenschaften
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*Chemisches Centralblatt
*Chicago Pathological Society, Transactions
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Correspondenzblatt für Schweizer Aerzte
La Cronica Medica
*Dental Cosmos
*Dermatologische Zeitschrift
*Deutsches Archiv für klinische Medicin
*Deutsche Zeitschrift für Chirurgie
Deutsche Monatsschrift für Zahnheilkunde
*Endocrinology
*Ergebnisse der allgemeinen Pathologie und pathologischen Anatomie
*Ergebnisse der Anatomie und Entwickelungsgeschichte
*Ergebnisse der Geburtschilfe und praktische Gynäkologie
Ergebnisse der innere Medizin und Kinderheilkunde
*Ergebnisse der Physiologie
Folia Hæmatologica. Originale
Folia Hæmatologica. Referate
Folia Urologica
Fortschritte auf dem Gebiete der Röntgenstrahlen
*Fortschritte der Medicin
*Frankfurter Zeitschrift für Pathologie
*Gegenbaur's morphologisches Jahrbuch
Gebiebe der Chirurgie
Gebiebe der Geburtschilfe und Gynakologie
*Heart
*Index Catalogue of the Surgeon-General's Office
*Index Medicus
Indian Journal of Medical Research
Internationale Monatsschrift für Anatomie und Physiologie
*International Medical Digest
*Jahresbericht über die Fortschritte und Leistungen auf dem Gibiete der Hygiene
Jahrbuch für Kinderheilkunde
*Jahresbericht der Ophthalmologie
*Janresbericht über die Fortschritte der Anatomie und Entwickelungsgeschichte
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*Journal of Urology
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*La Névraxe
New Orleans Medical & Surgical Journal
*New York Medical Journal
New York Pathological Society, Proceedings

**Ophthalmic Record*
**Ophthalmic Year Book*
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**Pediatrics*
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UNIVERSITY OF ILLINOIS

College of Medicine

1922-1923

PUBLISHED BY THE UNIVERSITY OF ILLINOIS
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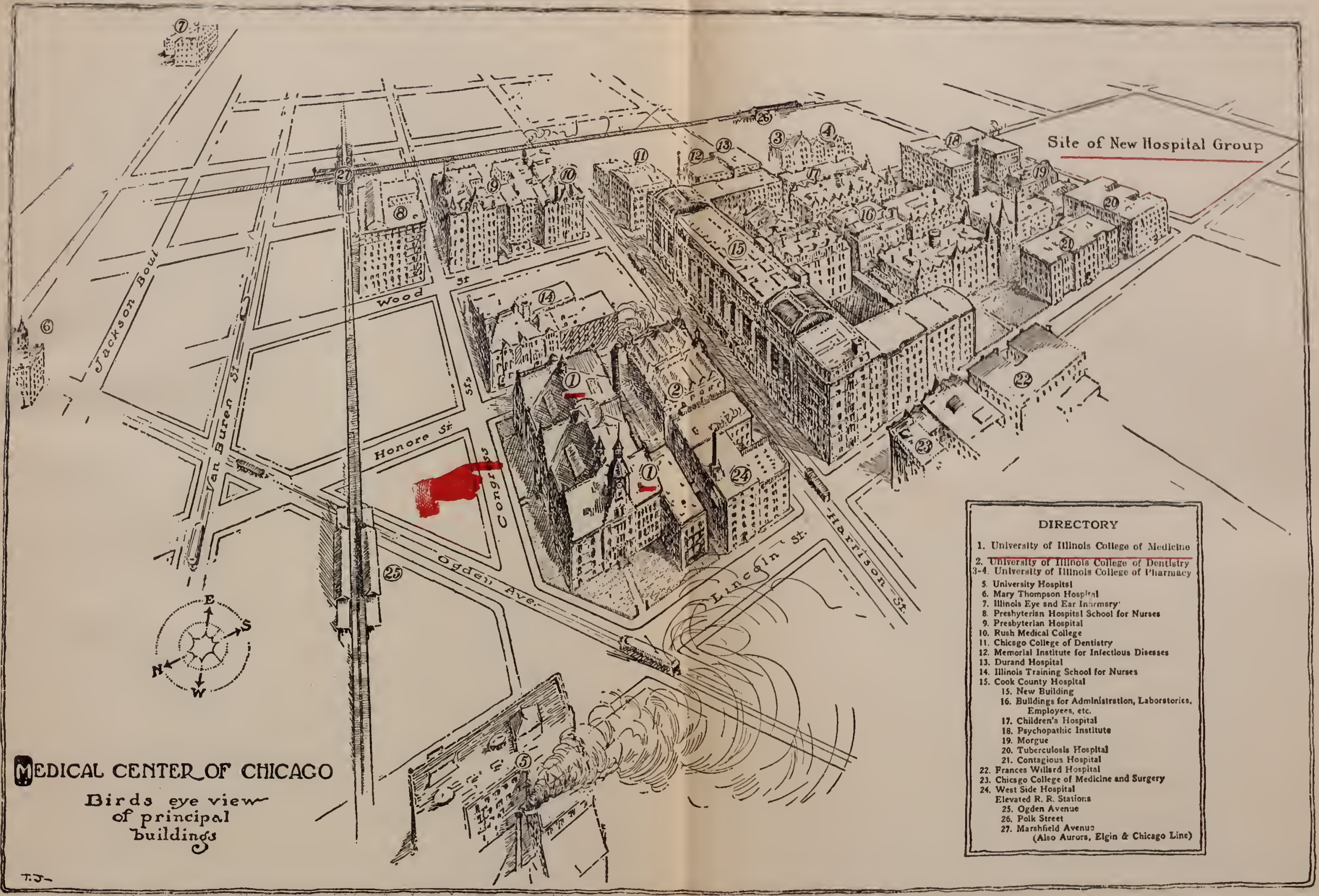
Urbana, Illinois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Jackson Boul
Van Buren St
Wood St
Honore St
Congress
Ogden Ave.
Lincoln St.
Harrison St.
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Birds eye view
of principal
buildings

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2. University of Illinois College of Dentistry
3-4. University of Illinois College of Pharmacy
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6. Mary Thompson Hospital
7. Illinois Eye and Ear Infirmary
8. Presbyterian Hospital School for Nurses
9. Presbyterian Hospital
10. Rush Medical College
11. Chicago College of Dentistry
12. Memorial Institute for Infectious Diseases
13. Durand Hospital
14. Illinois Training School for Nurses
15. Cook County Hospital
    15. New Building
    16. Buildings for Administration, Laboratories, Employees, etc.
    17. Children's Hospital
    18. Psychopathic Institute
    19. Morgue
    20. Tuberculosis Hospital
    21. Contagious Hospital
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CIRCULAR OF INFORMATION

1922-1923

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CALENDAR

1922

JANUARY.

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NOVEMBER.

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DECEMBER.

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1923

JANUARY.

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FEBRUARY.

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MARCH.

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APRIL.

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MAY.

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JUNE.

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JULY.

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AUGUST.

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SEPTEMBER

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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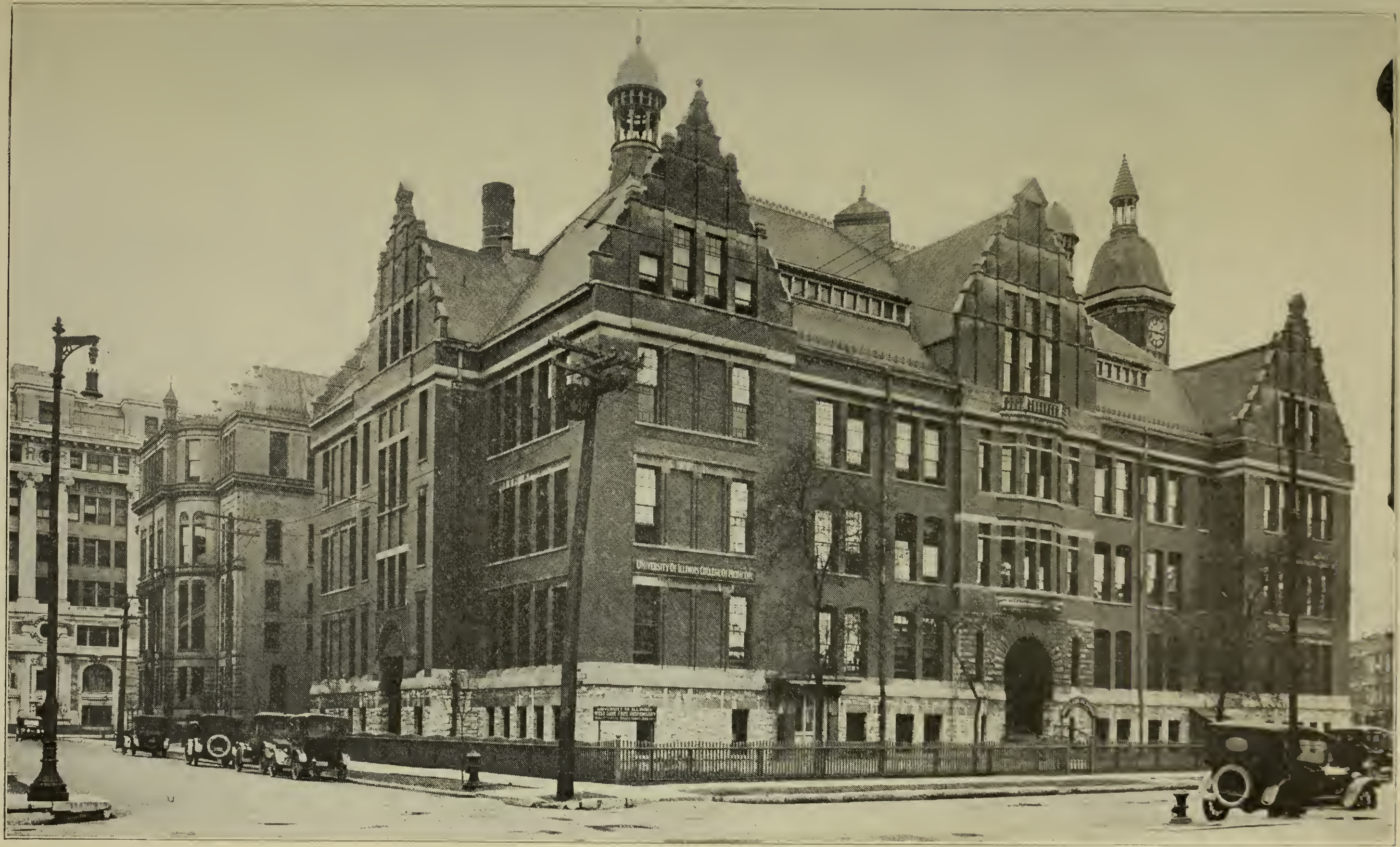

UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE

COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

Cook County Hospital in the Background

COLLEGE CALENDAR

1922-1923

FIRST SEMESTER

September 11-15—Monday-Friday
Entrance examinations

September 25-30—Monday-Saturday
Examinations for removal of conditions

October 2—Monday, 8 a. m.-5 p. m.
Registration and payment of fees

October 3—Tuesday, 8 a. m.
Semester instruction begun

November 29—Wednesday, 12 m.
Thanksgiving recess begun

December 4—Monday, 8 a. m.
Instruction resumed

December 22—Friday, 6 p. m.
Holiday recess begun

January 3, 1923—Wednesday, 8 a. m.
Instruction resumed

January 29-February 2—Monday-Friday
Semester examinations

SECOND SEMESTER

February 7—Wednesday, 8 a. m.-5 p. m.
Registration and payment of fees

February 8—Thursday, 8 a. m.
Semester instruction begun

February 12—Monday
Lincoln Day

February 22—Thursday
Washington Day

March 29—Thursday, 6 p. m.
Easter recess begun

April 2—Monday, 8 a. m.
Instruction resumed

May 28-June 8—Monday-Friday
Final examination ended

May 30—Wednesday
Memorial Day

June 8—Friday
Class Day and Alumni Meetings

June 9—Saturday, 10:30 a. m.
Annual Commencement Chicago Professional Schools

ADMINISTRATIVE OFFICERS

1922-1923

David Kinley, Ph.D., LL.D., President

Albert Chauncey Eycleshymer, B.S., Ph.D., M.D., *Dean*

George Philip Tuttle, B.S., *Registrar*

William Henry Browne, *Secretary, College of Medicine, and Business Manager of the Chicago Departments*

UNIVERSITY COMMITTEES

Committee on Medical Education

Eycleshymer (Chairman), Ochsner, Ward

Discipline Committee of the Chicago Professional Schools

Welker (Chairman), Browne, Thomas, Day

STANDING COMMITTEES

Committee on Catalog

Welker (Chairman), Browne, Heintz

Committee on Curriculum

Eycleshymer (Chairman), Bacon, Barrett, Davis, Davison, Dreyer, McGuigan, Welker, Williamson

Committee on Dispensary

Brown (Chairman), Browne, Haeger, Lang, Mosser

Committee on Hospital Affiliation

Bacon (Chairman), Ochsner, Singer, Brown, Davis, Davison, McGuigan

Committee on Library

Davis (Chairman), Loomis, Moodie, Sippy, Tice

Committee on Optional Courses

Dreyer (Chairman), Bacon, Davison, Davis, McGuigan

Committee on Physicians' Courses

Pierce (Chairman), Barrett, Brown, Davis, Goodkind, Hess

THE COLLEGE OF MEDICINE

(Congress and Honore Streets, Chicago)

FACULTY

1921-1922

DAVID KINLEY, Ph.D., LL.D.......................................*President*

WILLIAM EDWARD QUINE, M.D., LL.D.........*Professor of Medicine,* Emeritus
HENRY PARKER NEWMAN, A.M., M.D.......*Professor of Gynecology,* Emeritus
HENRY TURMAN BYFORD, A.M., M.D.......*Professor of Gynecology,* Emeritus
WILLIAM ALLEN PUSEY, A.M., M.D........*Professor of Dermatology,* Emeritus
DANIEL ATKINSON KING STEELE, M.D., LL.D....*Professor of Surgery,* Emeritus
CASEY A. WOOD, A.M., M.D.............*Professor of Ophthalmology,* Emeritus
FRANK BRECKENRIDGE EARLE, M.D............*Professor of Pediatrics,* Emeritus

MAURICE LOUIS GOODKIND.......................*Professor of Clinical Medicine*

B.A., Williams, 1886; M.D., Columbia, 1889.
Instructor in Neurology, Columbia, 1888-89; Instructor in Neurology, Northwestern, 1893-96; Attending Physician, County Hospital, 1904—; Michael Reese Hospital. 1893—.

GEORGE PETER DREYER..*Professor of Physiology and Physiological Chemistry and Head of Department*

B.A., Johns Hopkins, 1887, Ph.D., 1890.
Fellowship in Physiology, Johns Hopkins, 1889-90; Demonstrator, Associate, Associate Professor of Physiology, 1890-1900; Professor Physiology, Illinois, 1900-1907; Junior Dean, 1913-1915.

ALBERT JOHN OCHSNER......................................*Professor of Surgery*

B.S., Wisconsin, 1884; M.D., Rush, 1886; LL.D., Wisconsin, 1909.
Surgeon-in-Chief, Augustana Hospital, 1891—, St. Mary's Hospital, 1898—.

CHARLES SPENCER WILLIAMSON..*Professor of Medicine and Head of Department*

B.S., Cincinnati, 1893. M.D., 1896, M.S., 1901.
Associate Attending Physician, Cook County Hospital, 1902-1903; Member of Cook County Consulting Staff, 1904-1913; Cook County Hospital Attending Staff, 1913—; Adjunct Professor of Medicine, Illinois, 1901; Associate Professor of Medicine, Illinois, 1902; Professor of Clinical Medicine, Illinois, 1903-1904; Professor of Clinical Medicine and Associate Professor of Medicine, Illinois, 1905-1911; Professor of Medicine and Clinical Medicine, Illinois, 1912-1913.

CHARLES SUMNER BACON..*Professor of Obstetrics and Head of Department of Obstetrics and Gynecology*

Ph.B., Beloit, 1878; M.D., Northwestern, 1884.
Attending Obstetrician, Chicago Policlinic, 1895—, Deaconess Hospital, 1900—, Henrotin Hospital, 1905—, Grant Hospital, 1906—, University Hospital, 1907—; Director, Chicago Lying-In Hospital, 1908—.

CHARLES DAVISON..............*Professor of Surgery and Head of Department*

M.D., Northwestern, 1883, A.M., 1917.
Professor of Surgical Anatomy, Illinois, 1899-1900; Adjunct Professor of Clinical Surgery, 1900-03; Adjunct Professor of Surgery and Clinical Surgery, 1903-04; Professor of Surgery and Clinical Surgery, 1904-17; Assistant Surgeon, Illinois Charitable Eye and Ear Infirmary, 1887-92; Attending Surgeon, Cook County Hospital, 1894—, President of Attending Staff, 1917-19; Attending Surgeon, West Side Hospital, 1896-1907, University Hospital, 1908—.

FREDERICK TICE.......................................*Professor of Medicine*

M.D., Rush, 1894.
Assistant Professor of Diseases of the Chest, Illinois, 1903; Professor of Diseases of the Chest, 1905-17; Head of Department of Medicine, Illinois, 1917-19; Chief Physician, County Institutions, 1897-1899; Member of Attending and Consulting Staff, Cook County Hospital, 1903—.

Joseph McIntyre Patton..............................*Professor of Medicine*
M.D., New York, 1882.

Chief Assistant in Medicine, College of Physicians and Surgeons, 1883-90; Professor of Physical Diagnosis, Illinois, 1899-1901; Associate Professor of Medicine, 1901-07; Professor of Clinical Medicine, 1907-1919; Professor of Anesthesia and Anesthetics, Illinois (Dental), 1902-07; Attending Physician, Henrotin and Policlinic Hospitals, 1890—, Cook County Hospital, 1907-1920; Consulting Physician, Chicago General Hospital, 1922—.

Channing Whitney Barrett..*Professor of Gynecology and Head of Division*
M.D., Detroit, 1895.

Instructor in Medicine, Illinois, 1897-1898; Instructor in Gynecology, Illinois, 1898-1900; Assistant Professor of Clinical Gynecology, Illinois, 1900-1901; Adjunct Professor of Clinical Gynecology, Illinois, 1901-1909; Associate Professor of Gynecology and Clinical Gynecology, Illinois, 1909-1910; Professor of Gynecology and Clinical Gynecology, Illinois, 1910-1915; Attending Surgeon (Obstetrics), Cook County Hospital, 1906-1912; Attending Surgeon (Gynecologist), Cook County Hospital, 1912—, West Side Hospital, 1914—, Columbus Hospital, 1920—.

Norval Pierce..*Professor of Laryngology, Rhinology and Otology and Head of Department*

M.D., College of Physicians and Surgeons, Chicago, 1885.

Surgeon, Illinois Charitable Eye and Ear Infirmary, Department of Ear, Nose and Throat; Laryngologist and Otologist, Michael Reese Hospital, Passavant Memorial Hospital; Senior Attending Otologist, Rhinologist and Laryngologist, St. Luke's Hospital; President Medical Board, St. Luke's Hospital, Chicago, 1922-23.

Albert Edward Halstead..............................*Professor of Surgery*
M.D., Northwestern, 1890.

Professor, Principles and Practice of Surgery, Illinois; Consulting Surgeon, Illinois Charitable Eye and Ear Infirmary; Senior Surgeon, St. Luke's Hospital; Associate Professor of Surgery, Northwestern University, 1897-1900; Professor and Head of Department of Anatomy, Northwestern University, 1897-1900; Professor of Clinical Surgery, Northwestern University, 1900-1906.

Albert Chauncey Eycleshymer..*Dean of the College; Professor and Head of Department of Anatomy, Histology, and Embryology*

B.S., Michigan, 1891; Ph.D., Chicago, 1894; M.D., St. Louis, 1910.

Assistant in Animal Morphology and Botany, Michigan, 1889; Assistant in Botany, 1890; Chief Assistant to the Director of the Allis Lake Laboratory, 1890-91; University Fellow in Biology, Princeton, 1891; Fellow in Animal Morphology, Clark University, 1891-92; Fellow in Biology, Chicago, 1892-93, Assistant, 1893-95, Associate in Anatomy, 1895-97, Instructor, 1897-1902; Graduate student in University of Cambridge (England), 1895-96; studying Anatomy and Histology in Germany and France, 1896-97; Lecturer on Human Embryology, Rush, 1897-98, Assistant Professor, 1898-99; Austin Fellow in Histology and Embryology, Harvard, 1900-01; Assistant Professor Anatomy, Chicago, 1899-1903; Director of Department of Anatomy, St. Louis, 1903-13; Acting Dean, St. Louis (Medical School), 1913; Junior Dean, Illinois, 1915-1916; Member National Board of Medical Examiners; Dean, 1917—.

William McIntire Harsha..............................*Professor of Surgery*

B.S., National Normal University, Lebanon, O., 1876, B.A., 1877; M.D., Northwestern, 1883.

Lecturer in Medicine, Illinois, 1893; Attending Surgeon, St. Luke's Hospital, 1908—.

David John Davis..*Professor of Pathology and Bacteriology and Head of Department*

B.S., Wisconsin, 1898; M.D., Rush, 1903; Ph.D., Chicago, 1905.

Pathologist, Presbyterian Hospital, 1906-10, St. Joseph's Hospital, 1907-11; Special Student, University of Freiburg, 1910; Assistant Professor in Pathology, Rush, 1907-12; Pathologist, St. Luke's Hospital, 1911-13.

Julius Hayes Hess.......... *Professor of Pediatrics and Head of Division*

M.D., Northwestern, 1899.

Instructor in Pediatrics, Northwestern, 1908-13; Associate Professor of Clinical Pediatrics, Illinois, 1914-16; Attending Pediatrician, Michael Reese Hospital, 1906—, Cook County Hospital, 1913—, Englewood Hospital, 1902—; Consulting Pediatrician, Municipal Contagious Disease Hospital, 1917—, Winifield T. B. Sanitarium, 1914—; Member of Advisory Board Children's Bureau, Department of Labor, Washington.

Hugh Alister McGuigan..*Professor of Pharmacology, Materia Medica, and Therapeutics, and Head of Department*

B.S., North Dakota Agri. College, 1898; Ph.D., Chicago, 1906; M.D., Rush, 1908.

Assistant Professor of Chemistry, North Dakota Agri. College and Expt. Sta., 1901-03; Fellow and Assistant in Physiological Chemistry, Chicago, 1903-06; Assistant Professor of Pharmacology, Washington University, 1906-10; Professor of Pharmacology, Northwestern, 1910-17.

Edward Vail Lapham Brown..*Professor of Ophthalmology and Head of Department*

M.D., Rush, 1898; B.S., Chicago, 1902.

Assistant Pathologist and Pathologist, Illinois Charitable Eye and Ear Infirmary, 1899-1907; Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1907-14, Cook County Hospital, 1914-18; Attending Ophthalmologist, Presbyterian Hospital, 1899-1917, University Hospital, 1917—; Instructor and Assistant Professor of Ophthalmology, Rush, 1898-1917; Instructor and Assistant Professor of Pathology of the Eye, Chicago, 1907-1917.

Harold Douglas Singer........*Professor of Psychiatry and Head of Division*

M.B., London, 1898, M.D., 1900, M.R.C.P., 1901.

Associate Professor of Neurology, John A. Creighton University, 1904-06; Associate Professor of Psychiatry, Nebraska, 1907; Associate Professor of Psychiatry, Illinois, 1916-18; House Physician, St. Thomas' Hospital, London, 1898-99; Assistant Superintendent Clinical Laboratory, St. Thomas' Hospital, 1899-00; House Physician, National Hospital for the Paralyzed and Epileptic, London, 1900-02; Resident Assistant Physician, St. Thomas' Hospital, 1902-04; Neurologist, St. Joseph's Hospital, Omaha, 1904-06; Assistant Superintendent, Norfolk State Hospital, Nebraska, 1906-07; Director, Illinois State Psychopathic Institute, 1907—; State Alienist, Dept. of Public Welfare, State of Illinois, 1917-21.

Charles Edward Humiston..............................*Professor of Surgery*

M.D., College of Physicians and Surgeons, Chicago, 1896; Sc.D., Marietta College, 1922.

Surgeon, Cook County Hospital, 1902-20, West Suburban Hospital, 1914; Instructor in Surgery, Illinois, 1905-06; Assistant Professor of Surgery, 1906; Adjunct Professor of Surgery, 1907-12; Professor of Clinical Surgery and Associate Professor of Surgery, 1912-13; Associate Professor of Surgery and Clinical Surgery, 1913-14; Associate Professor of Clinical Surgery, 1914-18.

Henry Foster Lewis..................................*Professor of Obstetrics*

A.B., Harvard, 1885, M.D., 1888.

Professor of Physical Diagnosis, Physicians and Surgeons, Chicago, 1891-93; Assistant Professor Obstetrics and Gynecology, Rush, 1899-07; Professor and Head of the Department of Obstetrics and Gynecology, Loyola, 1910-18; Attending Obstetrician, Cook County Hospital, 1906-08, Attending Surgeon, 1908-13, Attending Obstetrician, 1913—.

Herman Morris Adler..*Professor of Criminology and Head of Department of Social Hygiene, Criminology and Medical Jurisprudence*

A.B., Harvard, 1897; A.M., Columbia, 1901, M.D., 1901.

Assistant Children's Clinic, Charite, Berlin, 1904-05; Assistant in Clinical Pathology, Harvard, 1906-09, Instructor in Neuropathology and Psychiatry, 1909-12; Pathologist and Assistant Physician, Danvers State Hospital, Massachusetts, 1909-12; Chief of Staff, Psychopathic Hospital, Boston, 1912-16; Assistant Professor of Psychiatry, Harvard, 1912-16; Criminologist, State of Illinois, and Director of Institute for Juvenile Research, 1917—.

Harry W. Woodruff.............................*Professor of Ophthalmology*

Ph. G., Chicago College of Pharmacy, 1889; M.D., College of Physicians and Surgeons (Chicago), 1892.

Surgeon, Illinois Charitable Eye and Ear Infirmary, 1900—; Professor of Ophthalmology, Chicago Eye, Ear, Nose and Throat College, 1895—.

Francis Lane..................................*Professor of Ophthalmology*

A.B., Princeton, 1897; M.D., Washington, 1899.

Nelson Mortimer Percy...............................*Professor of Surgery*

M.D., Rush, 1899.

Attending Surgeon, St. Mary's Hospital, 1905—, Augustana Hospital, 1908—; Instructor in Surgery, Illinois, 1909-12; Associate Professor of Surgery, Illinois, 1912-21.

Arthur Richard Elliott..............................*Professor of Medicine*

M.D., Queen's Univ., Canada, 1889, C.M., 1889.

Assistant Professor of Medicine, Illinois, 1917-18; Attending Physician, St. Luke's Hospital, 1910—; Associate Professor of Medicine, Illinois, 1918-21.

William Henry Welker................*Professor of Physiological Chemistry*

A.C., Lehigh, 1904; Ph.D., Columbia, 1908.

Assistant in Biological Chemistry, Columbia, 1904-07; Pathological Assistant in Obstetrics (Research Chemist), Sloane Maternity Hospital, N. Y., 1906-07; Demonstrator of Physiological Chemistry, Pennsylvania, 1907-10; Chemist to the German Hospital, New York, 1910; Associate in Biological Chemistry, Columbia (Crocker Cancer Fund), 1910-11; Assistant Professor of Biological Chemistry, 1911-12; Assistant Professor of Physiological Chemistry, Illinois, 1913-19; Associate Professor of Physiological Chemistry, Illinois, 1919-21.

ASSOCIATE PROFESSORS

RACHELLE S. YARROS........................*Associate Professor of Obstetrics*
M.D., Pennsylvania Woman's Medical College, 1893.
Assistant in Obstetrics, Illinois, 1898-99; Physician, Chicago Lying-In Hospital, 1911—; Supervisor of Education for Women, Division of Social Hygiene, State Department of Public Health, 1919-21; Special Consultant, U. S. Public Health Service, 1921—.

JOSEPH CLAR BECK..................................*Associate Professor of Laryngology, Rhinology and Otology*
M.D., College of Physicians and Surgeons, Chicago, 1895.
Laryngologist, Rhinologist and Otologist, University Hospital, Cook County Hospital, 1909-18, North Chicago Hospital, 1909—.

FRANK SMITHIES............................*Associate Professor of Medicine*
M.D., Michigan, 1904.
Assistant in Medicine, Rush, 1904-06; Instructor in Internal Medicine and Demonstrator of Clinical Medicine, Michigan, 1906-09; Attending Physician, Univ. of Michigan Hospital, 1906-09; Gastro-enterologist and Clinical Laboratory Chief in Diseases of the Alimentary Tract, Mayo Clinic, Rochester, Minn., 1910-13; Assistant Pathologist, Stadt Krankenhaus Alt. Moabit, Berlin, 1906; Gastro-enterologist, Augustana Hospital, 1913—; Medical Consultant, U. S. Marine Hospital, Chicago, 1918-20.

EDWARD LOUIS HEINTZ.......................*Associate Professor of Medicine*
Ph.G., St. Louis College of Pharmacy, 1898; M.D., Illinois, 1901; LL.D., South Dakota, 1922.
Assistant Professor of Materia Medica, Illinois, 1901-03; Adjunct Professor Materia Medica, 1903-12; Assistant Professor of Medicine and Clinical Medicine, 1913-18; Attending Physician, University Hospital, 1908—, Policlinic Hospital of Chicago, 1912-15, 1918-19, Cook County Hospital, 1918-20.

MAURICE LEWISON..........................*Associate Professor of Medicine*
M.D., Northwestern, 1906.
Instructor in Neurology and Diseases of the Chest, Illinois, 1906-09; Instructor in Diseases of the Chest, 1909-12; Professor of Physical Diagnosis, 1912-13; Assistant Professor of Physical Diagnosis, 1913-18; Attending Physician, Cook County Hospital, Municipal Tuberculosis Sanitarium, Mt. Sinai Hospital.

GEORGE FARNSWORTH THOMPSON..............*Associate Professor of Surgery*
B.S., Wisconsin, 1896; M.D., Rush, 1899.
Instructor in Surgery, Rush, 1902-12; Assistant Professor of Junior Surgery and Clinical Surgery, Illinois, 1912-13; Assistant Professor of Surgery and Clinical Surgery, 1913-18; Attending Surgeon, Cook County Hospital, 1906—, West Side Hospital, 1910—.

JOHN WEATHERSON..........................*Associate Professor of Medicine*
C.E., Cornell, 1895; M.D., Illinois, 1900.
Instructor in Medicine, Illinois, 1901-10; Assistant Professor of Medicine, Illinois, 1912-17; Special Work, Harvard Graduate Medical School, 1919; Member of Attending Staff, Chicago Hospital, 1901-08, Lakeside Hospital, 1908-14, South Shore Hospital, 1919—, Illinois Masonic Hospital, 1921—.

OTTO HERMAN ROHRLACK...................*Associate Professor of Obstetrics*
Ph.G., Northwestern, 1892, M.D., 1902.
Assistant Obstetrician, University Hospital, 1910—, Chicago Lying-In Hospital, 1910—, Cook County Hospital, 1917-20, Norwegian American Hospital, 1917—; Assistant Professor of Obstetrics and Clinical Obstetrics, Illinois, 1913-19.

OTTO FREDERICK KAMPMEIER.................*Associate Professor of Anatomy*
B.A., Iowa, 1909; Ph.D., Princeton, 1912.
Assistant in Biology, Iowa, 1906-08; Assistant, U. S. Bureau of Fisheries, 1908-09; Fellow, Princeton, 1909-12; Graduate Student, Munich (Germany), 1912; Special Medical Student, Pittsburgh, 1916, Illinois, 1918, Chicago, 1921; Instructor in Anatomy, Pittsburgh, 1912-15; Assistant Professor of Anatomy, Pittsburgh, 1915-18; Instructor in Anatomy, Illinois, 1918-19; Associate Professor of Anatomy, Marquette, 1919; Head of Department of Anatomy, Marquette, 1920.

SIDNEY STRAUSS............................*Associate Professor of Medicine*
A.B., Harvard, 1901, M.D., 1904.
Assistant in Medicine, Rush, 1906-09, Associate in Medicine, 1909-10, Instructor in Medicine, 1910-11, Assistant Professor of Medicine, 1911-20; Associate Attending Physician, Michael Reese Hospital, 1912—; Assistant Attending Physician, Presbyterian Hospital (Chicago), 1913-19; Attending Physician, Cook County Hospital, 1920—.

GEORGE BORIS HASSIN.......................*Associate Professor of Neurology*
M.D., Imperial University of Kazan, Russia, 1897.
Instructor in Nervous and Mental Diseases, 1909-13; Attending Neurologist, Cook County Hospital, 1913—; Histologist to Illinois State Psychopathic Institute, 1920—.

Roy Lee Moodie.............................*Associate Professor of Anatomy*
A.B., Kansas, 1905; Ph.D., Chicago, 1908.
Assistant Professor of Zoology, Kansas, 1908-13; Instructor in Anatomy, Illinois, 1914-16, Associate, 1916-17, Assistant Professor, 1917-21.

Karl Albert Meyer.........................*Associate Professor of Surgery*
M.D., Illinois, 1908.
Assistant in Clinical Surgery, Illinois, 1916-17; Instructor in Clinical Surgery, 1917-18; Medical Warden, Cook County Hospital, 1914—; Attending Surgeon, 1920—.

Charles Morgan McKenna....*Associate Professor of Genito-Urinary Surgery*
B.S., Chicago, 1903; M.D., Rush, 1905.
Surgeon, St. Joseph's Hospital; Assistant Professor of Surgery (Genito-Urinary), Illinois, 1918-21.

Henry Bascom Thomas............*Associate Professor of Orthopedic Surgery*
B.S., Chicago, 1899; M.D., Northwestern, 1903.
Instructor in Materia Medica, Northwestern, 1905-06, Instructor in Orthopedic Surgery, 1905-09; Senior Attending Orthopedic Surgeon, St. Luke's Hospital, 1904—, County Hospital, 1908-13; Chief Orthopedic Surgeon, Cook County Hospital, 1913-20; Assistant Professor of Surgery (Orthopedic), Illinois, 1918-21.

Frank Chauvet.............................*Associate Professor of Medicine*
M.D., Illinois, 1907.
Instructor in Junior Medicine, Histology and Embryology, Illinois, 1910-13, Instructor in Physical Diagnosis, 1913-17, Associate in Physical Diagnosis, 1917-18; Member Consulting Staff, Cook County Hospital, T. B. Dept., 1912—; Member Medical Staff University Hospital, 1914—, Norwegian American Hospital, 1918; Assistant Professor of Clinical Diagnosis, Illinois, 1919-21.

Henry Eugene Irish........................*Associate Professor of Pediatrics*
M.D., Illinois, 1901.
Instructor in Pharmacology and Therapeutics, Illinois, 1904-11; Instructor in Junior Medicine, 1911-14; Instructor in Pediatrics, 1914-17; Associate in Pediatrics, 1918-19; Assistant Professor of Pediatrics, 1919-21; Attending Pediatrician, University Hospital, 1914—; Consulting Physician, Municipal Contagious Hospital, 1916—; Attending Physician, Cook County Hospital (Contagious), 1917-21.

Maurice Lamm Blatt......................*Associate Professor of Pediatrics*
M.D., Rush, 1903.
Instructor in Pediatrics, Illinois, 1914-16, Associate in Pediatrics, 1917-19; Attending and Directing Physician, Pediatric Department, West Side Jewish Aid Dispensary, 1906-15; Attending Dispensary Physician, Municipal T. B. Sanatorium, 1912-16; Attending Physician, Chicago Winfield Sanatorium, T. B., 1910-15; Directing Physician, Bethlehem Day Nursery, 1912-1915; Attending Physician, Maimonidies Hospital, Pediatric Department, 1912-14; Attending Staff, Michael Reese Hospital, 1911-16; Attending Physician, Cook County Hospital, Contagious Department, 1916-20, Pediatric Department, 1920; Consulting Pediatrician, Illinois Eye and Ear Infirmary, 1921; Assistant Professor of Pediatrics, Illinois, 1920-21.

Cassius Clay Rogers.........................*Associate Professor of Surgery*
A.B., Valparaiso, 1891; M.D., Rush, 1896; A.M., Valparaiso, 1908.
Professor and Head of Department of Physical Diagnosis, Chicago College of Dental Surgery, 1901-08; Professor and head of the Department of Surgery, Chicago College of Medicine and Surgery, 1905-15; Attending Surgeon, Francis Willard Hospital, 1907-17; Attending Surgeon, Evangelican Deaconess Hospital; Assistant Professor of Surgery, Illinois, 1919-21.

Ernest Sisson Moore.........................*Associate Professor of Medicine*
Ph.B., DePauw, 1892; M.D., Illinois, 1903.
Demonstrator of Pathology, Illinois, 1903-09, Instructor in Clinical Medicine, 1909-10; Physician in charge of Cook County Consumption Hospital, 1905-12; Associate in Clinical Medicine, Illinois, 1915-18; Assistant Professor of Medicine, Illinois, 1919-1920.

Frederick G. Dyas...........................*Associate Professor of Surgery*
M.D., Northwestern, 1904.
Instructor in Surgery, Illinois, 1908-11; Assistant Professor of Surgery, 1911-19; Associate Professor of Surgery, Northwestern, 1920-21.

Haim I. Davis...............................*Associate Professor of Psychiatry*
M.D., University of Charkow, Kharkoff, Russia, 1891.
Assistant Professor of Neurology, Illinois, 1906-18; Attending Neurologist, Michael Reese Hospital, 1908—.

William F. Petersen......*Associate Professor in Pathology and Bacteriology*
S.B., Chicago, 1909; M.D., Rush, 1912.
Instructor Pathology, Columbia, 1913-14; Assistant Professor of Experimental Medicine and Pathology, Vanderbilt, 1914-17; Associate in Pathology, Illinois, 1920-21.

ASSISTANT PROFESSORS

John Michael Lang .... *Assistant Professor of Gynecology*

M.D., Illinois, 1900.

Member of Staff, West Side Hospital, 1912—.

Benjamin Franklin Lounsbury .... *Assistant Professor of Surgery*

B.L., Wisconsin, 1902; M.D., Northwestern, 1907.

Surgeon in Charge, Washington Blvd. Hospital, 1913—.

Charles Francis Read .... *Assistant Professor of Psychiatry*

B.S., Beloit, 1898; M.D., Rush, 1901.

Managing Officer, Chicago State Hospital, Dunning, Ill., 1917-21; State Alienist, Department of Public Welfare, 1921—.

John Ross Harger .... *Assistant Professor of Surgery*

B.S., Chicago, 1904; M.D., Rush, 1906.

Assistant in Clinical Surgery, Illinois, 1908-10; Instructor in Clinical Surgery, 1910-12; Assistant Professor of Junior Surgery and Minor Surgery, 1912-13; Instructor in Junior and Minor Surgery, 1913-16; Associate in Surgery and Minor Surgery, 1916-18.

Ralph Chess Purnell Truitt .... *Assistant Professor of Psychiatry*

M.D., Maryland, 1910.

Clinical Instructor in Psychiatry, Baltimore Medical College and College of Physicians and Surgeons, Baltimore, 1912-13; Assistant Physician, New Jersey State Hospital, Trenton, 1910-12; Physician-in-Chief, City Hospital, and Physician in Out Patient Department, Johns Hopkins Hospital, Baltimore, 1912-13; First Assistant Resident Physician, Phipps Psychiatric Clinic, Johns Hopkins Hospital, 1913-14; Medical Director, State Hospital, Jackson, La., 1914-15; Senior Physician, State Hospital, Trenton, N. J., 1915-17.

Charles Herbert Phifer .... *Assistant Professor of Surgery*

M.D., Illinois, 1902.

Instructor in Junior Medicine, Illinois, 1902-07; Instructor in Senior Surgery, Illinois, 1907-16; Instructor in Surgery, Illinois, 1916-18; Attending Surgeon, Lakeside Hospital, 1903-14; Attending Surgeon, Washington Park Hospital, 1914-22; Associate in Surgery, Illinois, 1918-19.

Egan Walter Fischmann .... *Assistant Professor of Gynecology*

M.D., Rush, 1906.

Instructor in Gynecology, Illinois, 1912-18, Associate in Gynecology, 1918-19, Instructor in Medicine, 1907-11; Instructor in Gynecology, Chicago Policlinic, 1908-18, Assistant Professor of Gynecology, 1918—; Gynecologist, Grant Hospital, 1921—.

Adolph Hartung .... *Assistant Professor of Roentgenology*

M.D., Illinois, 1908.

Instructor in Radiology, Illinois, 1912-14, Instructor in Roentgenology, 1914-18; Roentgenologist, Cook County Hospital, 1909-13, Alexian Bros. Hospital, 1910—, Henrotin Hospital, 1910-16, German Hospital, 1910-16, Policlinic Hospital, 1910-16; Associate in Roentgenology, Illinois, 1918-19.

George William Boot .... *Assistant Professor of Laryngology, Rhinology and Otology*

M.D., Sioux City College of Medicine, 1893; M.D., University of Pennsylvania, 1898.

Assistant Professor of Otology, Rush Medical College, 1920; Assistant Otologist, Presbyterian Hospital, Chicago; Attending Surgeon, Ear, Nose and Throat, Cook County Hospital; Attending Staff of St. Francis Hospital, Evanston.

Harry Culver .... *Assistant Professor in Genito-Urinary Surgery*

B.S., Wisconsin, 1910; M.D., Rush, 1913; M. S., Illinois, 1918.

Instructor in Experimental Medicine, Illinois, 1915-18; Instructor in Genito-Urinary Diseases, Illinois, 1916-18; Fellow in Sprague Memorial Institute, 1915; Cystoscopist to Cook County Hospital, 1917—; Urologist to University Hospital, 1918—.

Raymond William McNealy .... *Assistant Professor of Surgery*

M.D., Illinois, 1910.

Instructor in Neurology and Psychiatry, Illinois, 1912-13, Instructor in Senior Neurology, Psychiatry and Junior Medicine, 1912-13, Instructor in Senior Surgery, 1913-14, Instructor in Surgery, 1914-18; Attending Surgeon, Cook County Hospital, 1917—, Post-Graduate Hospital, 1912-22, Illinois Hospital, 1921.

George Luther Davenport .... *Assistant Professor of Surgery*

M.D., Illinois, 1907.

Associate Attending Surgeon, Michael Reese Hospital, 1913—; Attending Surgeon, Cook County Hospital, 1920—.

FRANCES EUGENE SENEAR .... *Assistant Professor of Dermatology and Acting Head of Department*

B.S., Michigan, 1912, M.D., 1914.
Instructor in Dermatology and Syphilology, Michigan, 1915-16; Attending Dermatologist, St. Joseph Hospital Dispensary; Consulting Dermatologist, Illinois Central R. R.; Attending Dermatologist, Ravenswood Hospital; Instructor in Dermatology, Illinois, 1918-19, Associate in Dermatology, 1919-20; Attending Dermatologist, St. Bernard's Hospital, 1921—.

ARTHUR REUBEN COOPER .... *Assistant Professor of Anatomy*

B.A., Toronto, 1910, M.A., 1911; Ph.D., Illinois, 1917.
Class Assistant in general Biology, Toronto, 1909-11; Demonstrator in Zoology, 1911-12; Fellow and Demonstrator in Zoology, 1912-14; Lecturing Demonstrator in Zoology, 1914-15; Fellow in Zoology, Illinois, 1915-16, Honorary Fellow, 1916-17; Research Assistant in Zoology, University of Michigan, Biological Station, 1917 (Summer); Instructor in Anatomy, Illinois, 1917-19, Associate in Anatomy, 1919-20.

HARRY SEARLS GRADLE .... *Assistant Professor of Ophthalmology*

B.S., Michigan, 1906; M.D., Rush, 1908.
Attending Ophthalmic Surgeon, Michael Reese Hospital, 1920—.

JACQUES HOLINGER .... *Assistant Professor in Laryngology, Rhinology and Otology*

M.D., University of Basel, 1890.
Assistant Ear, Nose and Throat Clinic, University of Basel, 1890-92; Physician, Chicago Eye and Ear Infirmary, 1893-97; Clinical Professor, Diseases of the Ear, Northwestern University, 1896-98; Instructor in Laryngology, Rhinology and Otology, Illinois, 1919, Associate in Laryngology, Rhinology and Otology, 1920-1921.

LESTER EDWARD BOWER .... *Assistant Professor in Pediatrics*

A.B., Illinois, 1912; M.D., Northwestern, 1914.
Attending Physician, Department of Contagious Diseases, Cook County Hospital, Attending Physician, Department of Pediatrics, 1918-19; Instructor in Pediatrics, Illinois, 1917-19; Attending Pediatrician, Chicago Nursing and Half Orphan Asylum; Associate in Pediatrics, Illinois, 1920-21.

WILLIAM JOSEPH QUIGLEY .... *Assistant Professor of Medicine*

B.S., Wisconsin, 1911; M.D., Rush, 1913.
Attending Staff, Cook County Hospital (Tuberculosis), 1919; Instructor in Medicine, Illinois, 1919-21, Associate in Medicine, 1921-22.

ASSOCIATES

WALTER BRADFORD METCALF .... *Associate in Medicine*

M.D., Northwestern, 1894.
Instructor in Diseases of the Chest, Illinois, 1912-14, Instructor in Clinical Medicine, 1914-18; Attending Physician, Cook County Hospital, 1914-15; Consulting Physician, Chicago Municipal T. B. Sanitarium, Cook County Hospital.

ALBERT JOHN SCHOENBERG .... *Associate in Gynecology*

M.D., Illinois, 1899.
Instructor in Gynecology, Illinois, 1910-18; Surgeon, Deaconess Hospital, 1907—.

ARRIE BAMBERGER .... *Associate in Surgery*

B.S., Chicago, 1906; M.D., Rush, 1909.
Instructor in Pediatrics, Illinois, 1910-11, Assistant Professor of Pediatrics, 1911-12, Assistant Professor Clinical Pediatrics, 1912-13, Instructor Minor Surgery, 1913-18; Attending Staff, Cook County Hospital, 1917-19; Attending Surgeon, Michael Reese Hospital Dispensary, 1910-20; Attending Surgeon, Illinois General Hospital, 1921—.

OSCAR EUGENE NADEAU .... *Associate in Surgery and Surgical Pathology and Associate in Anatomy*

B.S., Wisconsin, 1911; M.D., Rush, 1913.
Instructor of Photography, Wisconsin, 1910-11; Instructor, Surgical Pathology, Illinois, 1911-18; Pathologist, St. Mary of Nazareth Hospital, 1912-13; Chief Assistant to Drs. Ochsner and Percy, Augustana Hospital, 1916-17; Associate Surgeon, St. Mary of Nazareth Hospital, 1917—; Consulting Surgeon, Contagious Diseases Hospital, 1918—.

FRANKLIN SAMUEL WILSON .... *Associate in Medicine*

Ph.G., Illinois, 1894; M.D., 1911.
Instructor Clinical Medicine, Illinois, 1914-18; Cook County Agents Physician; Examining Physician for Juvenile Home and Court.

EDWARD FRANCIS GARRAGHAN .... *Associate in Laryngology, Rhinology and Otology*

A.B., St. Ignatius College, 1895; A.M., 1905; M.D., Illinois, 1901.
Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1914-18; Assistant Eye Surgeon, Illinois Charitable Eye and Ear Infirmary, 1908—; Attending Oculist and Aurist, Municipal T. B. Sanitarium, 1918—, Sheridan Park Hospital, 1920—; Instructor in Laryngology, Rhinology and Otology, Chicago Policlinic, 1907-1915.

Walter Henry Theobald....*Associate in Laryngology, Rhinology and Otology*
S.B., Chicago, 1911; M.D., Rush, 1911.
Instructor in Surgery (Laryngology, Rhinology and Otology), Illinois, 1916-18; Attending Otologist, Rhinologist and Laryngologist, St. Luke's Hospital, 1915—.

Paul Gerhard Albrecht.................*Associate in Physiological Chemistry*
Ph.D., Stanford, 1917; B.S., Illinois, 1921.
Assistant in Chemistry, Stanford, 1913-14; Professor of Chemistry, Western Reserve Univ., College of Pharmacy, 1914-17.

Frank Lee Stone................................*Associate in Gynecology*
M.D., Illinois, 1910.
Instructor in Pathology, Illinois, 1911-12; Professor of Pediatrics, Creighton, 1913-14; Instructor in Gynecology, Illinois, 1914-19.

John Perley Sprague.......................*Associate in Orthopedic Surgery*
A.B., Bates College, 1898; M.D., Northwestern, 1903.
Clinical Assistant in Neurology, Northwestern, 1903-05; Professor of Hygiene, Grinnell College, 1914-17; Scientific Assistant, United States Public Health Service, 1918-19; Attending Staff, University Hospital, 1919—.

John Weston Nuzum................*Associate in Pathology and Bacteriology*
B.S., Wisconsin, 1912; M.D., Rush, 1915.
Director of Laboratories, Cook County Hospital, 1916-19; Chief Surgical Assistant, Augustana Hospital, 1919—; Junior Attending Surgeon, Augustana Hospital, 1922—; Visiting Surgeon, Washington Park Hospital, Chicago, 1922—.

John Charles Matthew Krasa.......................*Associate in Medicine*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-17; Associate Attending Physician, University Hospital, 1914—; Attending Physician, Bohemian Settlement House of Chicago, 1919—; Member of Attending Staff, Illinois Charitable Eye and Ear Infirmary, 1921—.

Henry Lester Baker...............................*Associate in Surgery*
M.D., Illinois, 1898.
Assistant in Clinical Surgery, Illinois, 1914-16; Member of Staff, University Hospital, 1915; Instructor in Surgery, Illinois, 1912-19.

Walter Charles Hammond..........................*Associate in Obstetrics*
M.D., Illinois, 1911.
Attending Physician, Lakeview Hospital, 1913—; Instructor in Obstetrics, Illinois, 1913-19; Associate in Obstetrics, Chicago Policlinic Hospital, 1915-17.

George Washington Post, Jr..........................*Associate in Surgery*
A.B., Milton College, 1905, M.S., 1909; M.D., Illinois, 1909.
Attending Surgeon, St. Anne's Hospital, 1913—; Assistant in Clinical Surgery, Illinois, 1912-19.

Isadore B. Diamond..............................*Associate in Neurology*
M.D., Southern Medical College, 1894.
Instructor, Histology, Pathology and Bacteriology, Southern Medical College, Atlanta, Ga., 1896-97; Pathologist, Grady Hospital, Atlanta, Ga., 1896-97; Assistant in Pathology, Rush, 1899-1902, Assistant in Medicine, 1903-07, Instructor in Medicine, 1907-11; Instructor in Neurology, Illinois, 1912-17.

Ralph Charles Sullivan.............................*Associate in Surgery*
A.B., St. Ignatius College, 1908; A.M., Loyola University, 1912; M.D., Rush, 1912.
Instructor in Surgery, Chicago College of Medicine and Surgery, 1913-17; Member, Attending Staff, Oak Park Hospital, 1921—.

Ernest Jason Ford..................................*Associate in Surgery*
B.A., Illinois, 1903, M.D., 1906.
Instructor in Surgery, Illinois, 1918-19; Senior Surgeon, Evanston Hospital, 1918—.

Reginald Alex Cutting...............................*Associate in Physiology*
A.B., Harvard, 1914, M.A., 1917, Ph.D., 1919.
Instructor, Tufts Medical College, 1918-20; Associate Professor of Physiology, George Washington University Medical School, 1920-21.

Solomon Maxwell Goldberger.......................*Associate in Pediatrics*
M.D., Illinois, 1908.
Attending Physician, Jewish Aid Dispensary, 1908-10, St. Margaret's Hospital, Hammond, Ind., 1910-15, Norwegian Deaconess Hospital, 1916—, Norwegian American Hospital, 1916—; Pediatrician, Chicago Policlinic, 1917—; Instructor in Pediatrics, Illinois, 1918-21.

Charles Francis Yerger....*Associate in Laryngology, Rhinology and Otology*

M.D., Northwestern, 1905.

Instructor in Medicine, Illinois, 1905-07, Instructor in Operative Surgery, 1907-11; Instructor in Oto-Laryngology, Rush, 1912-13; Attending Surgeon, Sceleth Hospital (Eye, Ear, Nose and Throat), House of Correction, 1913-20, Illinois Charitable Eye and Ear Infirmary, 1913—; Attending Oto-Laryngologist, Cook County Hospital, 1920—; Instructor in Laryngology, Rhinology and Otology, Illinois, 1918-21.

Marcus Hatfield Hobart....................*Associate in Orthopedic Surgery*

A.B., Northwestern, 1912, M.D., 1915.

Instructor Orthopedic Surgery, Illinois, 1920-21.

Frank Joseph Jirka..............................*Associate in Medicine*

M.D., Northwestern, 1910.

Assistant Professor of Medicine, College of Medicine and Surgery, Valparaiso University, 1912-13; Assistant in Physical Diagnosis, Illinois, 1913-17, Instructor in Medicine, Illinois, 1920-21.

Grover Tracy............................*Associate in Physiological Chemistry*

A.B., Pennsylvania College, 1909.

Assistant in Physiological Chemistry, Illinois, 1914-16; Assistant in Physiological Chemistry, Columbia, 1916-18; Instructor in Physiological Chemistry, Illinois, 1919-21.

Harold Stacey Hulbert...............................*Associate in Neurology*

M.D., Michigan, 1914.

Demonstrator in Psychiatry, Michigan, 1914-17; Assistant Physician in State Psychopathic Hospital, Michigan, 1916; Consulting Psychiatrist, U. S. Naval Training Station, Great Lakes. 1917-18; Assistant Physician, Chicago State Hospital, 1919-21; Instructor in Neurology, Illinois, 1920-21.

LECTURERS

Elmer De Witt Brothers..................*Lecturer on Medical Jurisprudence*

B.S., Valparaiso, 1882; LL.B., Michigan, 1892.

Lecturer on Dental Jurisprudence, Illinois, 1913—; Lecturer and Instructor, John Marshall Law School, 1903—.

Matthew Mills................*Alternate Lecturer on Medical Jurisprudence*

A.B., Yale, 1900; LL.B., Northwestern, 1903.

Instructor, John Marshall Law School, 1903—.

Bernard John Cigrand......................*Lecturer on History of Medicine*

B.S., Northern Indiana Normal School, 1884; M.S., Valparaiso, 1885; D.D.S., Lake Forest University, 1888.

President and Head of Prosthetic Dentistry, Northwestern (Dental), 1892-99; Secretary and Dean, Illinois (Dental), 1899-1904.

INSTRUCTORS

Annie Esther Barron-Harrison......................*Instructor in Obstetrics*

M.D., Illinois, 1902.

Superintendent, University Dispensary, 1902-14; Physician to Helen Day Nursery, 1914-17; Assistant Obstetrician, University Hospital, 1907—.

Harry Jerome Smejkal.................*Instructor in Genito-Urinary Surgery*

M.D., Illinois, 1908.

Physician, Chicago Hospital, 1908-09; Instructor in Anatomy, Illinois, 1910-11, Instructor in Medicine, 1911-14.

Archie James Graham........................*Instructor in Operative Surgery*

B.S., Illinois, 1902; M.D., 1902.

Thomas Smith Jones........*Instructor and Artist in Department of Anatomy*

B.F.A., St. Louis, 1908.

Hiram Jason Smith........*Instructor in Laryngology, Rhinology and Otology*

M.D., Illinois, 1907.

Instructor in Medicine, Illinois, 1909-10; Staff Physician, Illinois State Hospitals (Mental and Nervous Diseases), 1909-17; Superintendent Illinois Charitable Eye and Ear Infirmary, 1917-20; Attending Staff, St. Joseph's Hospital, 1919—, Illinois Central Hospital, 1919—.

Clyde Mason Snow........*Instructor in Materia Medica, Pharmacology and Therapeutics*

Ph.G., Illinois, 1902; A.M., Valparaiso, 1910.

Instructor in Chemistry of Drugs, Harvey Medical College. 1903-04, Lecturer on Pharmacognosy, 1903-04; Lecturer on Pharmacy, Chicago College of Medicine and Surgery, 1909-10; Instructor in Pharmacy, Illinois, 1902-10. Acting Professor of Pharmacy, 1910-11, Assistant Professor of Pharmacy, 1911-19, Associate Professor of Pharmacy, 1919-20, Professor of Pharmacy, 1920—.

THOMAS JOHN SULLIVAN, JR................*Instructor in Orthopedic Surgery*
M.D., Illinois, 1915.
Attending Surgeon, Mercy Hospital.

ISADORE PILOT..................................*Instructor in Pathology*
M.D., Illinois, 1917; B.S., Chicago, 1919.

MAX MEYEROVITZ.................................*Instructor in Surgery*
M.D., Illinois, 1907.
Assistant in Clinical Surgery, University Hospital, 1910—; Assistant in Clinical Surgery, Illinois, 1913-19.

LEO ANTHONY JUHNKE.............................*Instructor in Gynecology*
M.D., Northwestern, 1910.
Assistant in Gynecology, Chicago, 1913-14, Instructor in Gynecology, 1915-16, Assistant Professor, 1917; Assistant in Gynecology, Illinois, 1917-19; Attending Physician, Home of Good Shepherd.

SAMUEL A. LEVINSON................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1917, M.S., 1919, M.D., 1919.

FRANK GEORGE MURPHY......................*Instructor in Orthopedic Surgery*
B.S., Minnesota, 1913; M.D., Rush, 1915.

HARRY VICTOR ATKINSON..........................*Instructor in Pharmacology*
B.S., Ohio, 1911; Ph.D., Illinois, 1922.
Instructor in Physiological Chemistry, Northwestern, 1914-17; Instructor in Physiology, Cornell, 1917-18.

DENNIS RIDER WOOD CRILE..................*Instructor in Orthopedic Surgery and in Anatomy*
B.S., Wisconsin, 1914; M.D., Harvard, 1917.
Instructor in Surgery, Western Reserve, 1920; Instructor in Surgery, Lakeside Hospital, Cleveland, 1920; Senior Orthopedic Surgeon, St. Mary of Nazareth Hospital, 1921—.

HANS NACHTIGALL...............................*Instructor in Obstetrics*
M.D., Chicago College of Medicine and Surgery, 1913.
Assistant to Professor Koblanck (Gynecology and Obstetrics) and to Professor K. Brandenburg (Internal Medicine) at the Rudolph Virchow Krankenhaus, Berlin, Germany, 1913-14; Member attending Staff Chicago Lying-In Hospital Dispensary, 1921—.

JAMES TOBIAS GROOT.............................*Instructor in Physiology*
S.B., Chicago, 1920; B.S., Illinois, 1921.
Assistant in Physiology, Illinois, 1916-20.

LYNDON HARRIS..................................*Instructor in Surgery*
M.D., Illinois, 1912.
Instructor in Junior Medicine, Illinois, 1914-16.

HALLARD BEARD............................*Instructor in Ophthalmology*
B.S., Chicago, 1914; M.D., Rush, 1917.

ISADOR MICHAEL LEVIN.............................*Instructor in Pediatrics*
S.A., Chicago, 1914, S.B., 1916; M.D., Rush, 1919.

VINCENT JOHN O'CONOR.................*Instructor in Genito-Urinary Surgery*
B.S., Michigan, 1915; M.D., Rush, 1917.
Instructor, Genito-Urinary Diseases, Harvard, 1919-20; House Officer, Peter Bent Brigham Hospital, Boston, 1917; House Surgeon, Presbyterian Hospital, Chicago, 1918-19; Residing Urological Surgeon, Peter Bent Brigham Hospital, Boston, 1919-20; Attending Urological Surgeon, Washington Boulevard Hospital, Chicago, ————.

MAX S. WEIN.................................*Instructor in Dermatology*
B.S., Chicago, 1917; M.D., Rush, 1919.
Examining Physician, Chicago Tuberculosis Sanitarium, 1921-22.

LLOYD LAVERNE ELY...............................*Instructor in Medicine*
M.D., Iowa, 1919.

FREDERICK PICKOFF.................*Instructor in Pathology and Bacteriology*
B.S., Illinois, 1918, M.D., 1920.
Pathologist, St. Bernard's Hospital, 1921—.

SEYMOUR J. COHEN..............*Instructor in Pharmacology and Therapeutics*
B.S., Chicago, 1917, M.S., 1917; M.D., Rush, 1919.
Assistant in Physiology, Chicago, 1917; Assistant in Pharmacology, Illinois, 1917-18.

Harry William Fink............................*Instructor in Dermatology*
B.S., Chicago, 1918; M.D., Rush, 1921.

Joseph J. Litschgi............................*Instructor in Roentgenology*
M.D., Chicago Medical College, 1920.

Idel Treiger............................*Instructor in Clinical Laboratory*
M.D., University of Berne, 1917.
Assistant Professor, Bacteriology and Pathological Institute, University of Berne, 1917-18; Assistant Surgeon and Pathologist, City Hospital Burgdorf, Berne, Switzerland, 1918-20.

David M. Levy............................*Instructor in Criminology*
B.A., Harvard, 1914; M.D., Rush, 1918.
State Psychiatrist, Illinois, 1920—.

Margaret Amerton Heath............................*Instructor in Ophthalmology*
B.A., Wellesley College, 1907.

Pearle Mae Stetler............................*Instructor in Obstetrics*
B.A., Wisconsin, 1911; M.D., Johns Hopkins, 1913.
Assistant in Gynecology, Rush, 1917-19; Member attending Staff, Obstetrics and Gynecology, Mary Thompson Hospital, 1920—.

Francis Todd H'Doubler........*Instructor in Pathology and Bacteriology and Assistant in Surgery*
B.A., Wisconsin, 1907, M.A., 1908, Ph.D., 1910; M.D., Harvard, 1915.
Graduate Scholar in Mathematics, Wisconsin, 1907-08; Fellow in Mathematics, 1908-10; Medical House Officer, Peter Brigham Hospital, 1916-17; Surgical House Officer, Augustana Hospital, 1915-17, Resident, 1921—, Assistant Junior Attending Surgeon, 1922—.

Eugene Cary............................*Instructor in Obstetrics*
B.S., Chicago, 1910; M.D., Rush, 1912.
Clinical Assistant in Gynecology, Northwestern University Medical School, 1914-21; Junior Obstetrician, St. Luke's Hospital, 1914—.

Karl K. Borsack............................*Instructor in Physiology*
A.B., Wisconsin, 1911.
Instructor in Physiology, Wisconsin, 1917-19.

Hubert F. Dunn............................*Instructor in Anatomy*
A.B., Wm. Jewell College, 1908; M.D., Munich, 1913.
Assistant Gynecological Clinic, Freiburg, 1912-13, Vienna University, 1916-17.

Russell Dorr Herrold............................*Instructor in Genito-Urinary Surgery*
B.S., Drake, 1911; M.D., Rush, 1915.

Goldye Hoffman............................*Instructor in Gynecology*
M.D., Illinois, 1916.
Assistant in Gynecology, Illinois, 1920-21.

Clara Grace Gottschalk............................*Instructor in Surgery*
M.D., Illinois. 1915.
Assistant in Surgery, Illinois, 1918-21.

Joseph K. Calvin............................*Instructor in Pediatrics*
S.B., Chicago, 1916; M.D., Rush, 1918.
Assistant in Pediatrics, Illinois, 1920-21.

Arthur Ray Metz............................*Instructor in Operative Surgery*
A.B., Indiana, 1909; M.D., Rush, 1911.
Surgeon and Roentgenologist, Washington Boulevard Hospital, 1913—; Assistant in Operative Surgery, Illinois, 1920-21.

Leo Jacob Jacobson............................*Instructor in Medicine*
M.D., Illinois, 1916.
Clinician, Chicago Tuberculosis Institute, 1919; Assistant in Medicine, Illinois, 1920-22.

Phillip Rosenblum............................*Instructor in Pediatrics*
M.D., Northwestern. 1913.
Assistant in Pediatrics, Illinois, 1921-22.

William Franklin Moncrieff............................*Instructor in Ophthalmology*
S.B., Vanderbilt. 1913, M.S., 1913; M.D., Rush, 1917.
Assistant in Ophthalmology, Illinois, 1921-22.

Alice Kassie Hall..................*Instructor in Pathology and Bacteriology*
B.A., Wisconsin, 1913; B.S., Illinois, 1916; M.D., Rush, 1919.

ASSISTANTS

Elmer William Mosley.............................*Assistant in Medicine*
Ph.G., Valparaiso, 1903; M.D., Illinois, 1911.

Jesse Louis Bollman....................*Assistant in Physiological Chemistry*
A.B., Illinois, 1917; M.S., Michigan, 1918.
Assistant, Bacteriology, Michigan, 1917-18, Instructor, 1918.

Woodruff Lynden Crawford..........................*Assistant in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.

Frank Max Wittelle..............................*Assistant in Medicine*
B.S., Illinois, 1919, M.D., 1920.

Paul Sterling Carley..............................*Assistant in Surgery*
B.S., Illinois, 1918, M.D., 1921.
Resident in Medicine, Cook County Hospital, 1922—.

Frederick Christopher...............................*Assistant in Surgery*
B.S., Northwestern, 1911; M.D., Johns Hopkins, 1915.
Assistant Surgeon, St. Luke's Hospital, 1920.

Gerald Deland Gernon..................*Assistant in Genito-Urinary Surgery*
B.S., Illinois, 1918, M.D., 1920.

Frank Brazzil Kelly......................*Graduate Assistant in Physiology and Physiological Chemistry*
B.S., Chicago, 1918; M.D., Rush, 1921.

Walter Rathfon Fischer....................*Assistant in Orthopedic Surgery*
B.S., Illinois, 1919, M.D., 1920.

Albert Eric Olson..............................*Assistant in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.

Maxwell P. Borovsky...............................*Assistant in Pediatrics*
B.S., Chicago, 1917; M.D., Rush, 1919.
Resident Physician, Cook County Children's Hospital, 1920-21.

Benjamin Braude...........................*Assistant in Operative Surgery*
B.S., Chicago, 1906, M.S., 1907; M.D., Rush, 1909.
Instructor in Neurology, Illinois, 1911-14; Assistant in Ear, Nose and Throat, Rush, 1914-15; Assistant in Anatomy, Illinois, 1919-20.

Virgil Sheetz Counseller............................*Assistant in Surgery*
B.S., Chicago, 1918; M.D., Rush, 1919.
Assistant in Embryology, Histology and Neurology, Ohio, 1916.

Hanby Lewis Ford..................................*Assistant in Surgery*
B.S., Illinois, 1918, M.D., 1920.

Irving Robert Browning.....................*Assistant in Operative Surgery*
B.S., Michigan, 1912; M.D., Rush, 1919.
House Physician, Washington Blvd. Hospital, 1920.

Robert Ludwick Furby.............................*Assistant in Pediatrics*
M.D., Illinois, 1913.
Instructor in Medicine, Illinois, 1914-19.

Louis N. Boelio..................*Assistant and Chief Technician in Anatomy*

Andrew Daniel Schick.............................*Assistant in Medicine*
B.S., Chicago, 1919; M.D., Rush, 1922.

Marshall Daniel Hayes...........................*Assistant in Obstetrics*
B.S., Illinois, 1918; M.D., Rush, 1921.
Instructor in Medicine, Rush, 1920-21.

Samuel Glenwood Plice...........................*Assistant in Obstetrics*
B.S., Illinois, 1919.

Reinhold Claus Schlueter........................*Assistant in Pediatrics*
M.D., Northwestern, 1910.
Assistant in Laryngology, Rush, 1917.

Clifford Philip Strause..........................*Assistant in Pediatrics*
B.S., Chicago. 1918; M.D., Rush, 1921.

EDGAR THERON BLAIR................................*Assistant in Obstetrics*
B.S., Illinois, 1918, M.D., 1920.

EVERETT NAUGHTIN COLLINS............................*Assistant in Anatomy*
B.S., Chicago, 1919.
Assistant Professor of Anatomy, University of Alberta, 1919-21.

GILBERT PALMER POND....................................*Assistant in Surgery*
B.S., Pennsylvania State College, 1915; M.D., Rush, 1919.

ROYAL W. RUDOLPH...................*Assistant in Pathology and Bacteriology*
A.B., University of South Dakota, 1918; M.D., Washington University, St. Louis, 1920.

HAROLD NORRIS ETS.................................*Assistant in Pharmacology*
B.S., University of Rochester, 1920.

ALVAH LEWIS SAWYER....................................*Assistant in Medicine*
B.S., Beloit, 1909; M.D., Illinois, 1913.
Associate, Staff West Suburban Hospital, 1919—.

FRANCIS J. GERTY.......................................*Assistant in Pediatrics*
B.S., Loyola, 1920, M.D., 1921.
Resident, Cook County Hospital, Psychiatry, 1922—.

HOWARD LARUE MARSH..................*Assistant in Physiological Chemistry*
B.S., Pennsylvania State College, 1909, M.S., 1912.

DUANE WILLARD PROPST..................................*Assistant in Medicine*
A.B., Illinois, 1916, B.S., 1917. M.D., 1919.

ISRAEL LYTTON SHERRY..................................*Assistant in Pediatrics*
B.S., Chicago, 1910; M.D., Rush, 1912.

ADELINE R. WHITE.......................................*Assistant in Anatomy*
B.S., Wisconsin, 1899; M.D., Rush, 1920.

LEWIS BOTHMAN..................................*Assistant in Ophthalmology*
B.S., Chicago, 1915; M.D., Rush, 1917.
Resident, Cook County Hospital, 1918-19; Assistant in Surgery, Loyola, 1919; Assistant in Medicine, St. Louis University, 1920.

JOHN BAPTIST CIPRIANI..................................*Assistant in Medicine*
M.D., Illinois, 1913.

MAURICE H. COTTLE..........*Assistant in Laryngology, Rhinology and Otology*
B.S., Illinois, 1918, M.D., 1920.
Resident, Cook County Hospital, Laryngology, Otology and Rhinology, 1922.

WALTER J. R. HEINEKAMP..........................*Assistant in Pharmacology*
B.S., Illinois, 1919, M.S., 1920.

AFFILIATED HOSPITAL STAFFS

THE UNIVERSITY HOSPITAL

SURGERY:

Charles Davison, A.M., M.D.……*Attending Surgeon*
Max Meyerovitz, M.D.……*Assistant Attending Surgeon*
Charles Marshall Davison, B.S., M.D.……*Assistant Attending Surgeon*
Henry Lester Baker, M.D.……*Assistant Attending Surgeon*

MEDICINE:

Edward Louis Heintz, Ph.G., M.D., LL.D.……*Attending Physician*
Ralph Sherman Michel, M.D.……*Attending Physician*
George John Lorch, Ph.G., M.D.……*Assistant Attending Physician*
John Mathew Krasa, M.D.……*Assistant Attending Physician*

OBSTETRICS:

Charles Sumner Bacon, Ph.B., M.D.……*Attending Obstetrician*
Otto Herman Rohrlack, Ph.G., M.D.……*Assistant Attending Obstetrician*
Annie Barron-Harrison, M.D.……*Assistant Attending Obstetrician*

GENITO-URINARY SURGERY:

Harry Culver, M.S., M.D.……*Attending Urologist*
William Henry Bradley, M.D.……*Assistant Genito-Urinary Surgeon and Dermatologist.*

PEDIATRICS:

Henry Eugene Irish, M.D.……*Attending Pediatrician*
Vandy Frank Masilko, Ph.G., M.D.……*Assistant Attending Pediatrician*

DISEASES OF THE EYE:

William Elliot Gamble, B.S., M.D.……*Attending Ophthalmologist*
Edward Vail Lapham Brown, B.S., M.D.……*Attending Ophthalmologist*

DISEASES OF THE NOSE AND THROAT:

Karl Albert Meyer, M.D.……*Attending Laryngologist and Rhinologist*

ORTHOPEDIC SURGERY:

John Perley Sprague, A.B., M.D.……*Attending Orthopedic Surgeon*

RÖNTGENOLOGY AND PATHOLOGY:

Don J. Royer, M.D.……*Pathologist and Röntgenologist*

GRANT HOSPITAL OF CHICAGO

CONSULTING STAFF

Surgery—Dr. L. L. McArthur, 122 Michigan Ave.; Dr. Jacob Frank, 25 E. Washington St.; Dr. Arthur Dean Bevan, 122 S. Michigan Ave.

Internal Medicine—Dr. O. L. Schmidt, 5 S. Wabash Ave.; Dr. Gustave Schirmer, 1101 S. Ashland Ave.

Pathology—Dr. F. Robert Zeit, 4016 Vincennes Ave.

Nose and Throat—Dr. Frederick Menge, 25 E. Washington St.

Roentgenology—Dr. M. J. Hubeny, 25 E. Washington St.

ATTENDING STAFF

Surgery—Dr. A. G. Zimmerman, 30 N. Michigan Ave.; Dr. Sylvan Coombs, 25 E. Washington St.; Dr. F. H. Pirnat, 2422 Smalley Court; Dr. H. Edward Sauer, 25 E. Washington St.; Dr. Wm. Hessert, 547 Fullerton Ave.

Medicine—Dr. W. S. Orth, 5 S. Wabash Ave.; Dr. Henry Hartung, 722 Diversey Blvd.; Dr. John E. Siebel, 1538 Dearborn Pkwy.; Dr. Alex. Stevenson, 104 S. Michigan Ave.

Gynecology—Dr. Ernst Saurenhaus, 59 Bellevue Place; Dr. T. J. Doederlein, 25 E. Washington St.; Dr. E. W. Fischmann, 30 N. Michigan Ave.

Obstetrics—Dr. C. S. Bacon, 2156 Sedgwick St.; Dr. W. A. Stuhr, 2733 N. Clark St.; Dr. Julius E. Lackner, 5 S. Wabash Ave.

Eye—Dr. Ludwig Abele, 209 S. State St.; Dr. Theodore Wild, 30 N. Michigan Ave.; Dr. O. H. Kraft, 25 E. Washington St.

Ear, Nose and Throat—Dr. J. Holinger, 5 S. Wabash Ave.; Dr. G. T. Von Colditz, 25 E. Washington St.

Nervous Diseases—Dr. Peter Bassoe, 30 N. Michigan Ave.

Genito-Urinary and Dermatology—Dr. L. E. Schmidt, 5 S. Wabash Ave.; Dr. H. A. Kraus, 25 E. Washington St.

Pediatrics—Dr. Ernst Lackner, 31 N. State St.; Dr. G. Edwin Baxter, 4601 Broadway.

Anesthetics—Dr. J. E. H. Atkiesson, 1954 Milwaukee Ave.

Roentgenology—Dr. P. G. Kitterman, 2614 Cottage Grove Ave.

ST. ELIZABETH HOSPITAL

ATTENDING HOSPITAL STAFF

SURGERY:

W. C. Sanford, B.S., M.D.	*Attending Surgeon*
A. Zimmermann, M.D.	*Attending Surgeon*
M. G. Luken, M.D.	*Attending Surgeon*
E. E. Henderson, M.D.	*Attending Surgeon*
E. N. Redden, M.D.	*Attending Surgeon*
J. V. Fowler, M.D.	*Attending Surgeon*
L. H. Zeuch, M.D.	*Attending Surgeon*
C. S. Krysinski, M.D.	*Assistant Attending Surgeon*
E. K. Avery, M.D.	*Assistant Attending Surgeon*
Z. Klopper, M.D.	*Assistant Attending Surgeon*
E. B. Kalvelage, M.D.	*Assistant Attending Surgeon*
A. J. Linowiecki, M.D.	*Assistant Attending Surgeon*

MEDICINE:

B. S. Milton, M.D.	*Attending Physician*
W. F. Jacobs, M.D.	*Attending Physician*
P. J. Latz, M.D.	*Attending Physician*
A. E. Malachowski, M.D.	*Attending Physician*
A. W. Lakemyer, M.D.	*Attending Physician*
G. L. Perusse, M.D.	*Attending Physician*
G. W. Cassady, M.D.	*Attending Physician*
J. W. Kramps, M.D.	*Assistant Attending Physician*
C. E. Brinkerhoff, M.D.	*Assistant Attending Physician*
H. J. Heinen, M.D.	*Assistant Attending Physician*
H. W. Berard, M.D.	*Assistant Attending Physician*
A. J. Behrendt, M.D.	*Assistant Attending Physician*
M. A. Bisdorf, M.D.	*Assistant Attending Physician*
H. R. Baumgarth, M.D.	*Assistant Attending Physician*
Leopold Frankel, M.D.	*Assistant Attending Physician*
A. J. Alcorn, M.D.	*Assistant Attending Physician*
F. A. Dulak, M.D.	*Assistant Attending Physician*
C. F. Goetzinger, M.D.	*Assistant Attending Physician*

GYNECOLOGY:

Ernst Saurenhaus, M.D.	*Attending Gynecologist*
P. A. Sullivan, M.D.	*Attending Gynecologist*
Odcar Ofner, M.D.	*Attending Gynecologist*
M. A. Gier, M.D.	*Attending Gynecologist*
M. A. Stober, M.D.	*Assistant Attending Gynecologist*

DISEASES OF THE EYE, NOSE AND THROAT:

A. G. Wippern, M.D.	*Attending Ophthalmologist*
Oscar Cleff, M.D.	*Attending Ophthalmologist*
H. C. Welcker, M.D.	*Attending Ophthalmologist*

NEUROLOGY:

A. E. Luckhardt, M.D.	*Attending Neurologist*

DERMATOLOGY:
E. F. Fischkin, M.D. .... *Attending Dermatologist*

PATHOLOGY:
L. A. Garness, M.D. .... *Attending Pathologist*

NECROLOGY:
H. G. W. Reinhardt, M.D. .... *Attending Necrologist*

DENTISTRY:
A. H. Koch, M.D. .... *Attending Dental Surgeon*

CHICAGO POLICLINIC AND HOSPITAL

ATTENDING STAFF

Surgery—Malcolm L. Harris, M.D.; Edwin M. Smith, M.D.; William Hessert, M.D.; Norman Kerr, M.D.; Paul Morf, M.D.; John A. Graham, M.D.

Operative Surgery and Surgical Anatomy—Irving Perrill, M.D.

Genito-Urinary—Wm. T. Belfield, M.D.; Louis E. Schmidt, M.D.

Skin—R. D. MacArthur, M.D.; Lucius C. Pardee, M.D.; Frank E. Simpson, M.D.

Gynecology—A. Belcham Keyes, M.D.; Channing W. Barrett, M.D.; Harvey Tyler, M.D.; C. Von Bachelle, M.D.

Obstetrics—Charles S. Bacon, M.D.; Eugene Cary, M.D.

Medical and Physical Diagnosis—O. L. Schmidt, M.D.; J. M. Patton, M.D.; A. F. Stevenson, M.D.; O. W. McMichael, M.D.; J. F. Hultgen, M.D.

Stomach—G. Fütterer, M.D.; C. S. Williamson, M.D.; Aloys Heinen, M.D.

Pediatrics—Sam. J. Walker, M.D.; P. E. Grabow, M.D.; N. H. Kleinpell, M.D.

Neurology—Hugh T. Patrick, M.D.; Sydney Kuh, M.D.; James C. Gill, M.D.; J. W. Davis, M.D.

Eye—George W. Mahoney, M.D.; Charles H. Francis, M.D.; Herbert Walker, M.D.; Otto Wipper, M.D.

Ear, Nose and Throat—C. M. Robertson, M.D.; G. F. Fiske, M.D.; Otto T. Freer, M.D.; David Fiske, M.D.; J. M. Bick, M.D.

Pathology, Bacteriology and Microscopy—John A. Graham, M.D.

THE COLLEGE OF MEDICINE
OF THE
UNIVERSITY OF ILLINOIS

GENERAL INFORMATION

BUILDINGS AND EQUIPMENT

The College Building, located in the city block bounded by Harrison, Congress, Honore, and Lincoln Streets, Chicago, consists of a five-story brick and stone structure two hundred feet long by one hundred and ten feet wide and a three-story brick annex. It contains three lecture rooms, a clinical amphitheater, an assembly hall seating seven hundred, a small recitation room, and the laboratories of chemistry, microscopic anatomy, physiology, pathology, bacteriology, pharmacology and therapeutics, operative surgery, experimental medicine, and clinical diagnosis. The laboratories for gross anatomy are located in the Dental Building immediately adjoining the Medical Building.

The laboratories are equipped for both routine instruction and advanced work, with special research facilities. The general equipment includes: refrigerating plant with cooling units in proximity to the several laboratories, each unit consisting of a number of individual compartments with separate control, providing for a range of temperature down to —5° C.; a Crowell blower, supplying compressed and rarefied air to the laboratories of physiology, chemistry, pathology, and pharmacology; a Roentgen laboratory, in which facilities are provided for the X-ray work of the entire school, especially of the dispensary, where it is used for diagnostic and therapeutic purposes; a photographic outfit, equipped for various kinds of work, including photomicrography; a workshop equipped for the repair and construction of apparatus under the supervision of members of the teaching staff; rooms for the housing and care of experimental animals in charge of special caretakers.

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology and genito-urinary diseases. 29,744 treatments were given in 1921-22. 7,468 new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory, but the student has an opportunity to follow these and to learn the technique involved.

CLINICS

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year it has cared for 51,569 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 64 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital.

The hospital tickets cost $5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

University Hospital, located at the corner of Congress and Lincoln streets, opposite the College contains 104 beds. The Directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1921-22.

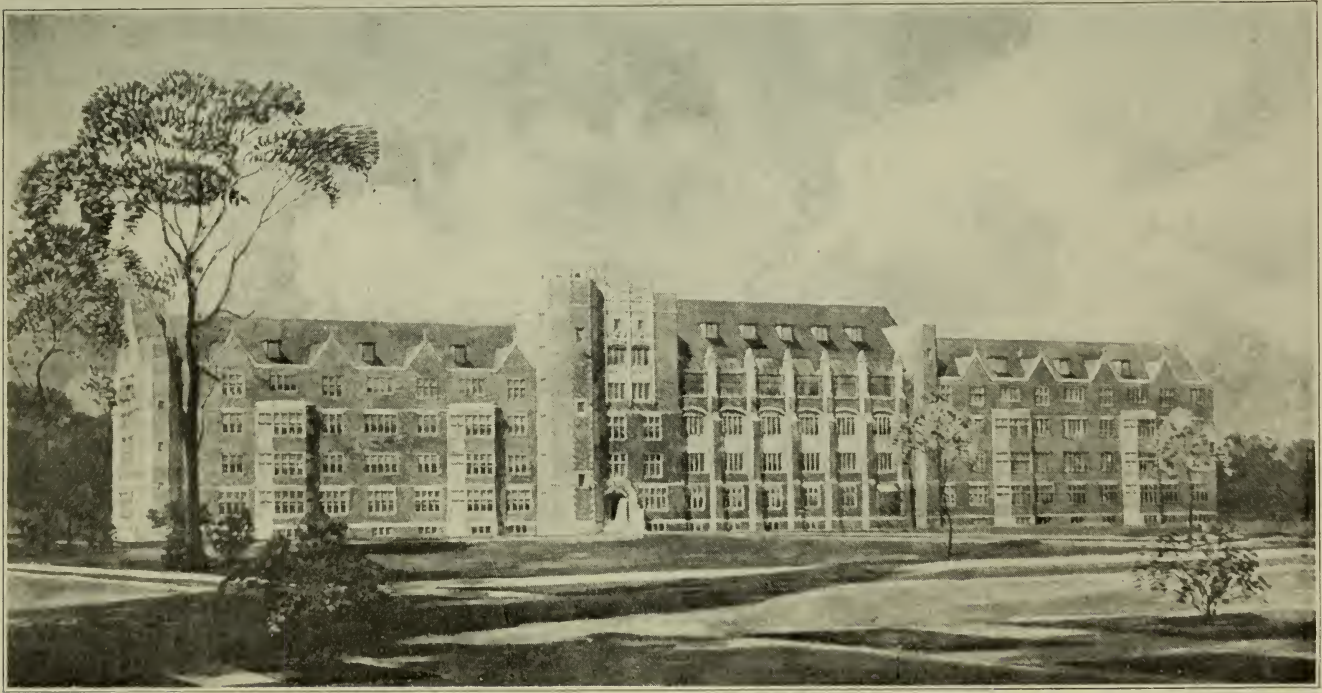
The selection of internes for this hospital is limited to graduates of the College.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital, corner of Lincoln and Cleveland avenues, contains 200 beds. Students receive bedside instruction during their service as externes and attend clinics in small groups. The service covers the entire field of surgery and medicine with the exception of contagious diseases.

Michael Reese Hospital, corner of 29th street and Groveland avenue, is composed of three separate buildings: the Hospital proper for adults, with 350 beds, the Sarah Morris Hospital for Children, with 125 beds, and the Nelson Morris Institute for Medical Research.

St. Luke's Hospital, 1437 Michigan avenue, has 320 beds, of which one-third may be used for clinical purposes.



MAIN BUILDING AS VIEWED FROM THE NORTHEAST
(Research and Educational Hospitals)

Illinois Charitable Eye and Ear Infirmary, Peoria and Adams streets, is devoted to the diseases of the eye and ear including those of the nose and throat. It has accommodations for nearly two hundred inpatients. The ambulatory service is the largest in the west of any similar institution. The Infirmary has far outgrown the present building. The number of treatments annually is over thirty thousand. The enormous material of the Infirmary, representing the greatest variety of major and minor affections of the eye, ear, nose and throat, is accessible for study to the students of the school.

St. Mary's of Nazareth Hospital, 1120 N. Leavitt street, has 225 beds.

St. Joseph's Hospital, 2100 Burling street, capacity 240.

West Side Hospital, 1850 West Harrison street, Chicago, has a capacity of 153 beds, including 6 infant beds.

Grant Hospital, 549-559 Grant place, has a capacity of 160 beds, including 35 infant beds.

St. Elizabeth's Hospital, 1433 N. Claremont avenue, has 200 beds, including 35 infant and 18 children's beds.

Chicago Policlinic Hospital, 219-221 W. Chicago avenue, Chicago, has a capacity of 120 beds, including 6 infant beds.

In addition to the above, there are more than sixty public and private hospitals in Chicago, each of which appoints from two to four internes annually.

LIBRARY FACILITIES

The Quine library contains 25,285 bound volumes and a number of reprints, including the standard text-books, works of reference, monographs, and journal files in the fields of medicine, dentistry and pharmacy. The pharmacy collection occupies part of the main floor of the School of Pharmacy. It contains 4,145 volumes and 2,500 pamphlets and ranks as one of the largest pharmaceutical libraries in the country. In addition to these two collections many of the departments of the three schools are supplied with working libraries.

The principal gift to the library for the year 1921-22 was that of 306 bound volumes, presented by Mrs. Adolph Gehrman in memory of her husband, the late Dr. Adolph Gehrman.

The John Crerar Library, containing files of journals, monographs, separates and standard texts, covering practically the entire field of medicine, is easily accessible from the College.

ANNOUNCEMENT OF NEW HOSPITAL FACILITIES

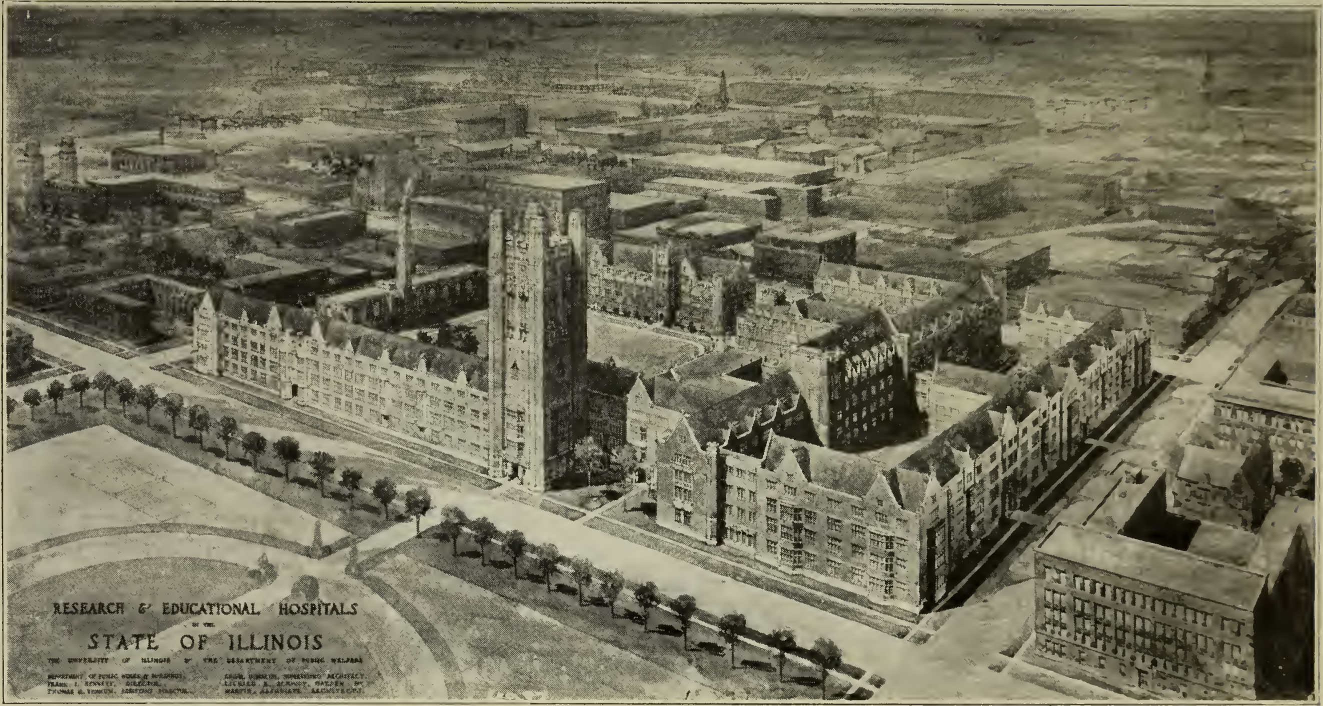
The General Assembly of 1919 appropriated $300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics and gynecology, but it will not provide for the teaching and investigation which must be developed in connection with the specialties such as crippled and deformed children, the demented and insane, venereal diseases, tuberculosis, cancer, diseases of the eye, ear, nose and throat, etc.

The purposes of the Clinical Building are clearly set forth by Ex-President James in the following words: "This clinical building will not be a hospital in an ordinary sense at all. It will not undertake to treat the general run of hospital patients. It facilities will be reserved for 'cases,' that is, for patients whose cases are of interest from the standpoint of medical science and art. Provision will be made for keeping chronic cases of interest and special value for instruction and scientific purposes for a length of time determined solely by the scientific value of the case."

The General Assembly of 1919 also appropriated about $1,000,000 to the State Department of Public Welfare for the construction of a group of Educational hospitals in the city of Chicago. This group to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute and a Surgical (Orthopedic) Institute for Children. It was imperative that in addition to these special hospitals which would provide for the study of the causes of insanity, the treatment of diseases of the eye, ear, nose and throat and the surgical treatment of deformed and crippled children, there should be some provision for the study and treatment of many other diseases, such as those of the blood, lymphatics and ductless glands, together with the diseases of the heart, lungs, stomach and intestines, kidney and bladder. There should be some provision for those who need general surgical aid. There should be also some place for the treatment of women who are afflicted with the many diseases peculiar to the sex. Another great need of the Department of Public Welfare was well equipped laboratories and extensive libraries. It experienced great difficulty in obtaining high class medical men owing to the lack of these facilities.

It was obvious that the Department of Public Welfare needed just such an Institution as that proposed in the Clinical Building which the University had in contemplation. The University, on the other hand, needed the special hospitals which the Department of Public Welfare was about to erect; moreover, the Department of Public Welfare could provide a site for the Clinical Building which was much superior to that owned by the University.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to


RESEARCH & EDUCATIONAL HOSPITALS
OF THE
STATE OF ILLINOIS
THE UNIVERSITY OF ILLINOIS & THE DEPARTMENT OF PUBLIC WELFARE

GROUP PLAN OF RESEARCH AND EDUCATIONAL HOSPITALS

help practicing physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The greatest object of all is to determine the cause of sickness and on the basis of this knowledge institute preventive measures. By this plan of co-operation the College of Medicine will present clinical advantages, the value of which cannot be overestimated.

ENTRANCE REQUIREMENTS FOR 1922-23

Students are admitted to the College of Medicine in the order in which their credentials are accepted and their matriculation fee paid.

Candidates must present four years' work in an accredited high school plus two years' work in a recognized college, or the full equivalent, including prescribed subjects, as follows:

THE HIGH-SCHOOL REQUIREMENT

1. Four years' work in an accredited high school or the equivalent, comprising not less than 15 units in acceptable subjects, including prescribed subjects as follows:

English	3 units*
Algebra	1 unit
Plane geometry	1 unit
Latin, Greek, German, or French (both units in the same language)	2 units
History and civics	1 unit
Electives	7 units
Total	15 units

THE COLLEGIATE REQUIREMENT

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours and including prescribed subjects as follows:

Chemistry (including organic, 4 hours)	12 semester hours†
Physics (see Note 1)	8 semester hours
Biology (see Note 2)	8 semester hours
English (see Note 3)	6 semester hours
German, French, Spanish, or Italian (see Note 4)	6 semester hours
Elective outside of the chemical, physical, and biological sciences (see Note 5)	6 semester hours
Free electives (see Note 5)	14 semester hours
Total	60 semester hours

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*By a *unit* of high-school or academy work is meant a year's work in a single subject; it being understood that the school year shall not be less than 36 weeks in length, that classes shall recite 5 times a week, that the recitation period shall be not less than 40 minutes long, that in science subjects there shall be double periods twice a week, and that double time shall be given in subjects like drawing, manual training and bookkeeping, in which little or no outside study is required. Since high-school students ordinarily take four subjects at a time throughout the four years of the high-school course, 15 units represent approximately four years of high-school work.

†By a *semester hour* of college credit is meant the work of a class meeting once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

NOTES

Note 1: Physics.—At least 2 of these 8 semester hours must consist of laboratory work.

Note 2: Biology.—Four of these eight semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 3: English.—The usual introductory college course of 6 semester hours in English composition and literature is intended.

Note 4: German, French, Spanish or Italian.—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two years' work (at least 12 hours) in college if the lauguage was not begun in the high school, or the equivalent.

Note 5: Electives.—As desirable electives the following subjects are suggested: psychology, college algebra and trigonometry, additional English, economics, history, sociology, political science, logic, Latin, Greek, drawing. Among the free electives advanced chemistry, zoology, and botany may be offered.

NOTE 6:—No conditions are permitted.

HOW THE ENTRANCE REQUIREMENTS MAY BE MET

The high-school requirement may be satisfied either by certificate or by examination.

High-School Credits by Certificate

High-school credits will be accepted by certificate from the following sources:

1. From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

2. From schools accredited by the North Central Association of Colleges and Secondary Schools.

3. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the Illinois standard time requirements are met.

4. From high schools and academies registered by the Regents of the University of the State of New York.

5. From schools approved by the New England College Entrance Certificate Board.

6. From schools accredited by the Southern Association of Colleges and Secondary Schools.

7. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

High-School Credits by Examination

High-school credits may be made by examination:

1. In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July and September of each year.

2. In the examinations conducted by the Registrar of the University of Illinois, in Chicago, five times each year, about March 15, June 15, August 25, September 25 and December 15.

3. In the examinations conducted in June of each year by the College Entrance Examination Board.

4. In the examinations conducted by the Regents of the University of the State of New York.

COLLEGE CREDITS

College credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high-school work in an accredited high school or the full equivalent thereof, and for graduation, in addition, four years of college work; and also from recognized junior colleges and state normal schools.

A letter of honorable dismissal from the last collegiate institution attended is required.

NON-ILLINOIS STUDENTS

On and after September 1, 1922, all applicants for admission to the College of Medicine, if not legal residents of Illinois, must present with their applications for admission, except as special students or students in the Graduate School, satisfactory evidence that they maintained at the school or college from which they would enter the University of Illinois, a scholastic average at least ten per cent above the passing grade of such school or college. In case of records which are not kept in numerical grades but in literal or other systems of grading, this requirement will be interpreted to mean an average of one grade above the passing grade, e.g., in a system of A, B, C, and D, with D as the passing grade, the average must be C.

RECORD OF MEDICAL WORK

A letter of honorable dismissal and a transcript of the record are required in all cases where there has been attendance in a medical school.

ADMISSION OF SPECIAL STUDENTS

The general rule of the University with reference to special students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree,* may, on approval of the dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. His record must be of such character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curriculums must be satisfactorily adjusted during the first year of the student's attendance.

REGISTRATION

Students are required to register in the office of the secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is restricted to one hundred.

COLLEGIATE YEAR*

The collegiate year of 1922-23 consists of a session of thirty-six weeks, beginning October 2, 1922, and ending June 9, 1923. The year is divided into two semesters, of eighteen weeks each. Attendance upon the full session is required in order to secure credit for a year's work, and five years attendance including a hospital course of not less than twelve months' duration is required for graduation.

FEES AND EXPENSES

Effective September 1, 1922

		Illinois Students	Non-Illinois Students
First Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Second Year—	Tuition	130.00	165.00
	Laboratory	35.00	35.00
	Total	(165.00)	(200.00)
Third Year—	Tuition	160.00	195.00
	Laboratory	5.00	5.00
	Total	(165.00)	(200.00)
Fourth Year—	Tuition	165.00	200.00
	Total	(165.00)	(200.00)
	Grand Total	$660.00	$800.00

Students entering the University for the first time, will be charged a matriculation fee of ten dollars, in addition to the above.

*The term "year" in this schedule of fees refers to a period of instruction covering two terms of eighteen weeks each or the equivalent therof.

All students taking Gross Anatomy are required to make a deposit of $10.00 for the use of a disarticulated skeleton. This deposit is returned to the student at the end of the year upon the return of the material.

The Trustees reserve the right to change the fees at any time through publication in the annual announcement.

ADDITIONAL FEES

Diploma, $10.00. *Copy of original transcript of record, $1.00; for each carbon copy of same, 50c.

Note.—County Hospital ticket, $5.00. Maternity Fee, Chicago Lying-In Hospital, $15.00.

All fees are payable in advance during the registration days of each semester. The entire matriculation fee and laboratory fee are due and must be paid during the registration days of the first semester, together with one-half of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

In case a student withdraws from the school within ten days after the beginning of the instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Fees charged special students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to provide himself with a compound microscope of such a quality as to meet the requirements of the work of the curriculum.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From forty to fifty dollars per month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between $25.00 and $50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

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*Each student is entitled to one transcript of record, without a fee, but he must pay for extras in the way of carbon copies supplied with the original transcript or for second request for the original.

SCHOLARSHIPS AND FELLOWSHIPS

REA SCHOLARSHIP

Through the generosity of the late Professor R. L. Rea a fund has been provided for scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the session of 1921-22 they were granted to the following students:

Julius Adler	Azor Victor Nasatir
Abraham Ettleson	Johannes Nielson
Isaac Karlin	Herman Pilka
Jacob Klein	Evsay Prilla

METHODIST EPISCOPAL SCHOLARSHIP

The scholarship given by the Northwestern branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church is awarded by the Society.

COUNTY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1905 and embodied in the General School Law of 1909 provides that one scholarship may be awarded annually to each county of the State. The holder thereof must be at least sixteen years of age, and a resident of the county to which he is accredited. No student who has attended the University of Illinois is eligible for a scholarship. The holder of a scholarship is relieved of payment of the matriculation fee ($10, payable once, on entrance) and the tuition fee for four years.

A competitive examination under the direction of the president of the University on such branches of study as the President may select is held on the first Saturday in June of each year at the county court house in each county by the County Superintendent of Schools.

The successful candidates in the examinations must then meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class, and must register the following September.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by assigning to that county from some other county the student found to possess the next highest qualifications.

A student holding a scholarship who shall make it appear to the satisfaction of the President of the University that he requires leave of absence for the purpose of earning funds to defray his expenses while in attendance, may, in the discretion of the President, be granted such leave of absence, and may be allowed an extension of his scholarship for not more than two years (making not more than six years in all from the beginning of the scholarship). Such extension will not be granted unless the student has been in attendance at the University for at least one full semester, nor unless the student's average grade during the period of his attendance has been at least 75, exclusive of grades in military science and physical education.

GENERAL ASSEMBLY SCHOLARSHIPS

The same act by which the county scholarships described above were established also provides that each member of the General Assembly may nominate annually one eligible person from his district for a scholarship in the University, granting the same privileges as the county scholarships.

A member of the General Assembly who wishes to nominate a candidate for a scholarship should file the name and address of his nominee as early in the spring as practicable and not later than June 1, with the President of the University and also with the County Superintendent of the county in which the nominee resides.

The nominee, if a graduate of a school accredited by the University, shall be admitted to the University on the same conditions as to educational qualifications as are graduates of such accredited high schools not so appointed to scholarships, and if any such candidate is not a graduate of a school accredited by the University, he shall present himself for examination—the same that is given to competitors for the county scholarships on the first Saturday in June, under the County Superintendent. The nominee must further (1) meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class; and (2) to register in the University the following September.

If a nominee fails to make a passing grade (70) in the scholarship examination he may not receive the scholarship. In this case notice will be sent to the member of the General Assembly who made the nomination, who is then entitled to nominate a second candidate, before the first registration day in September. This second candidate is subject to all the requirements stated above; the scholarship examination will be given him at the University on the Wednesday preceding the fall registration days (in 1922, September 18).

A General Assembly scholarship may be extended under the same conditions as a county scholarship.

MILITARY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1919, provides for the establishment of military scholarships.

Qualifications of Candidates

To be eligible for appointment to a Military Scholarship, a candidate must establish the following facts:

(1) That he served in the army, the navy, or the marine corps of the United States, exclusive of the Students' Army Training Corps, during the World War.

(2) That he was honorably discharged from such service.

(3) That he was not convicted by court-martial of disobedience of orders, consisting of refusal to perform military service "on the ground of alleged religious or conscientious objections against war."

(4) That at the time of entering upon his service he was a resident of the State of Illinois or a student in the University of Illinois.

(5) That he possesses "all necessary entrance requirements," that is, he must meet in full the requirements set forth in the Annual Register of the Uni-

versity for matriculation in the college or curriculum of the University which he proposes to enter. These requirements include graduation from an accredited high school, with fifteen units in acceptable subjects, including certain prescribed subjects. A candidate who is not a graduate of an accredited high school may meet the requirements by passing entrance examinations.

GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of $300 each and freedom from tuition, incidental, and laboratory fees. To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from $300 to $500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of five dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of one who has shown distinguished merit in his work.

COURSES OFFERED

The student is offered his choice of the following courses.

1. A course of nine years—four in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduation from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of five years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized college of liberal arts and sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science, and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in arts and sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

THE COURSE IN THE COLLEGE OF MEDICINE

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.

2. He must have paid all indebtedness to the college.

3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital affiliated with or approved by the University of Illinois or a year of research work (p. 40).

In order to be eligible for an interneship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from that Board a "limited license," authorizing him "to practice medicine or surgery in a hospital approved by the Illinois State Board of Health and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time for any year of less than thirty-two weeks of actual work.

The fourth year of the curriculum must have been taken in the College of Medicine.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the hospital year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve-months hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medical course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practice of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

GENERAL PLAN OF INSTRUCTION

During the first two years the work is, in the main, confined to the sciences fundamental to practice medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued and in addition the student takes up bacteriology, laboratory, diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months interne service in a hospital affiliated with or approved by the University. Research work may be substituted for the hospital work of the fifth year.

Students are prohibited from doing work that interferes in *any way* with the fulfiillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

MEMORIAL LECTURESHIP

In commemoration of members of the Alumni, Faculty and Student Body who lost their lives during the World War, the Alumni, Faculty and Students have raised a fund sufficient to establish a Memorial Lectureship. It is proposed to have at least one lecture delivered annually by a prominent educator on a subject of general medical interest.

CHANGES IN CURRICULUM

The curriculum committee is preparing a new curriculum, with the following objects in view: (1) To enable students to meet the varying requirements of the curriculums established by the various state examining boards; (2) To afford the student an opportunity to participate to a great degree in his own training; (3) To enable students who contemplate a carreer in teaching or research to come more intimately in contact with research aims and methods. The changes in the curriculum will be announced before the opening of the school year of 1922-1923.

ELECTIVES

The student is required to select from a number of courses offered for this purpose, two hours of work in the third year and six hours of work in the fourth year.

OPTIONAL WORK

Optional courses supplementaly to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after completing the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Examinations for the removal of conditions in the work of the first four years are held during the week preceding the opening of the next collegiate year. Only one examination for the removal of a condition in a given subject will be permitted and then only on presentation of evidence of actual additional work done in the subject under satisfactory instruction. Conditions not removed before the beginning of the next school year become failures.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean of the College of Medicine.

Grades

The system of grading is as follows: A, excellent; B, good; C, fair; D, poor (but passing); E, failure. A "failure" can be removed only by repetition of the subject in course in an approved institution. No "conditions" are allowed.

Promotions

Failures to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failures may be carried from the fourth (Senior) year into the fifth (Interne) year.

Failures must be made up in course, and the number of hours of such failures shall be deducted from the total number of hours of the regular work for the period.

Refusal of Further Registration on Account of Poor Scholarship

A student who in any semester receives failures in one-half the total number of hours in his course, shall be refused further registration in the College of Medicine.

Grades for Degree of Bachelor of Science

In order to receive his bachelor's degree a student must have secured grades of not less than C in subjects aggregating at least three-fourths of the work in the junior college.

Reports

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

CORRESPONDENCE

Address all correspondence to

THE SECRETARY OF THE COLLEGE OF MEDICINE
UNIVERSITY OF ILLINOIS
Congress and Honore Streets, Chicago.

DESCRIPTION OF COURSES IN MEDICINE[1]

ANATOMY, HISTOLOGY, EMBRYOLOGY

ALBERT CHAUNCEY EYCLESHYMER, B.S., M.D., Ph.D., *Professor and Head of the Department*
OTTO FREDERIC KAMPMEIER, A.B., Ph.D., *Associate Professor*
ROY LEE MOODIE, A.B., Ph.D., *Associate Professor*
ARTHUR REUBEN COOPER, A.B., A.M.,. Ph.D., *Assistant Professor*
OSCAR EUGENE NADEAU, B.S., M.D., *Associate*
DENNIS RIDER WOOD CRILE, B.S., M.D., *Instructor*
HUBERT F. DUNN, A.B., M.D., *Instructor*
THOMAS SMITH JONES, B.F.A., *Artist and Instructor*
ADELINE RAWSON WHITE, B.L., M.D., *Assistant*
EVERETT NAUGHTIN COLLINS, B.S., *Assistant*
GENEVIEVE LOUISE MEAKIN, *Artist*
LOUIS N. BOELIO, *Technician*
GEORGE MILLER, *Technician*
ADOLPH HAMMER, *Director of Plastic Studio*

GENERAL STATEMENT

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grübler stains. A small museum contains special dissections, osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

REQUIRED COURSES—FIRST YEAR

22. **Embryology.**—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I* (*first half*).

Associate Professor MOODIE and assistants

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[1] The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per week per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

23. **Cytology, Histology, and Microscopic Anatomy.**—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I.*

Associate Professor MOODIE and assistants

26. **Neurology.**—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 1: laboratory; 2 two-hour periods. *I (second half).*

Associate Professor MOODIE and assistants

27-28. **Regional and Systematic Anatomy.**—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures and recitations; 1: laboratory; 2 four-hour periods. *II.*

Associate Professor KAMPMEIER, Assistant Professor COOPER, instructors and assistants

REQUIRED COURSES—SECOND YEAR

31. **Topographical Anatomy.**—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I.*

Associate Professor KAMPMEIER and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

OPTIONAL COURSES

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting.

Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography. Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. Professor EYCLESHYMER

59. **Neurology.**—The relation of the nervous system to body growth.

Associate Professor MOODIE

COURSES PREPARATORY TO SPECIALIZATION

(Special Fee)

62. a. **The Eye.**
 b. **The Ear.**
 c. **Mouth, Nose and Throat.**
 d. **The Thorax and Abdomen.**
 e. **The Genito-Urinary System.**
 f. **Pelvic Anatomy.**
 g. **The Extremities,** especially the joints and their mechanism.
 h. **The Brain and Spinal Chord.**

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. Seminar.—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

COURSES FOR GRADUATES

101. Histogenesis.—The structural changes in tusses and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. *One unit.*

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

DERMATOLOGY

FRANCIS EUGENE SENEAR, B.S., M.D., *Assistant Professor and Acting Head of the Department*

HARRY W. FINK, B.S., M.D., *Instructor*

MAX S. WIEN, B.S., M.D., *Instructor*

REQUIRED COURSES—FOURTH YEAR

1. **Practise.**—Lectures, 1. *I.* Assistant Professor SENEAR
5. **Clinic.**—Cook County Hospital, 1. *II.* Assistant Professor SENEAR

9-10. Clinic.—College Dispensary. In sections. 3 one-hour periods (*three weeks*). *II.* Assistant Professor SENEAR, Dr. FINK, Dr. WIEN

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

HERMAN MORRIS ADLER, A.M., M.D., *Professor of Criminology and Head of the Department*

DAVID M. LEVY, M.D., *Instructor*

ELMER DEWITT BROTHERS, M.S., LL.B., *Lecturer in Medical Jurisprudence*

MATTHEW MILLS, LL.B., *Alternate Lecturer in Medical Jurisprudence*

REQUIRED COURSE—SECOND AND FOURTH YEARS

4. Hygiene and Public Health.—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. 3½ hours per week. *I.*

Professor ——————

REQUIRED COURSE—THIRD YEAR

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of various states. Lectures, 1. *I.*

MR. BROTHERS

LARYNGOLOGY, RHINOLOGY AND OTOLOGY

Norval Harvey Pierce, M.D., *Professor and Head of the Department*
Joseph Clar Beck, M.D., *Associate Professor*
Edward Francis Garraghan, A.B., A.M., M.D., *Associate*
Walter Henry Theobald, B.S., M.D., *Associate*
Jacques Holinger, M.D., *Associate*
Charles Francis Yerger, Ph.G., M.D., *Associate*
Maurice H. Cottle, B.S., M.D., *Assistant*

General Statement

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies by Bezold's large models of the ear, macerated specimens of the nose, throat and ear; by lantern slides and stereoptic demonstrations, as well as by actual examination of individuals in the out-patient department and in the hospital.

Required Courses—Third Year

3. **Practise.**—The surgical anatomy, physiology, and pathology of the ear, nose and throat. 1. *I.*
Professor Pierce and Associate Professor Beck

7. **Clinic.**—Illinois Eye and Ear Infirmary. Diseases of the Ear, Nose and Throat. In sections; 2. *I.* (*eight weeks*).

11. **Practise.**—The diseases of the throat and nose. 1. *I.*

14-15. **Clinic.**—College Dispensary. In sections; 3 (*three weeks*). *II.*
Dr. Garraghan, Dr. Theobald, Dr. Yerger

MEDICINE

Charles Spencer Williamson, M.S., M.D., *Professor and Head of the Department*

Division of Internal Medicine

Charles Spencer Williamson, M.S., M.D., *Professor*
Frederick Tice, M.D., *Professor*
Maurice Louis Goodkind, M.D., *Professor*
Joseph McIntyre Patton, M.D., *Professor*
Arthur Richard Elliott, M.D., C.M., *Professor*
Frank Smithies, M.D., *Associate Professor*
Edward Louis Heintz, Ph.G., M.D., LL.D., *Associate Professor*
Maurice Lewison, M.D., *Associate Professor*
John Weatherson, C.E., M.D., *Associate Professor*
Sidney Strauss, A.B., M.D., *Associate Professor*

Ernest Sisson Moore, Ph.B., M.D., *Associate Professor*
Frank Chauvet, M.D., *Associate Professor*
William Joseph Quigley, B.S., M.D., *Assistant Professor*
John Mathew Krasa, M.D., *Associate*
Walter Bradford Metcalf, M.D., *Associate*
Franklin S. Wilson, Ph.G., M.D., *Associate*
Frank Joseph Jirka, M.D., *Associate*
Lloyd La Verne Ely, M.D., *Instructor*
Leo Jacob Jacobson, M.D., *Instructor*
Elmer W. Mosley, M.D., *Assistant*
Frank Max Wittelle, B.S., M.D., *Assistant*
Alvah Lewis Sawyer, M.D., *Assistant*
Andrew Daniel Schick, S.B., M.D., Assistant
John Baptist Cipriani, M.D., *Assistant*
Duane Willard Propst, A.B., B.S., M.D., *Assistant*

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine but also to see clinical cases presented, bearing directly on this systematic instrucion. At the same time he has opportunity to come into intimate contact with patients and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical and is given not only in the College but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures; 1. *I.* (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. *I.*
Associate Professor Lewison, Associate Professor Chauvet

REQUIRED COURSES—THIRD YEAR

9. **Practice.**—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. *II.*
Associate Professor HEINTZ, Dr. KRASA, Dr. CIPRIANI, Dr. SAWYER, Dr. PROPST, Dr. SHICK.

13. **Clinic.**—University Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor HEINTZ

15. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Assistant Professor QUIGLEY

23. **Physical Diagnosis Clinics.**—Cook County Hospital, tuberculosis wards. To small groups. 1. *I.*
Associate Professor LEWISON, Associate Professor CHAUVET

27-28. **Clinic.**—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections, 3 two-hour periods (*three weeks*). *II.*
Associate Professor MOORE, Dr. METCALF, Dr. WILSON, Dr. MOSLEY, Dr. JIRKA, Dr. WITTELLE, Dr. JACOBSON.

REQUIRED COURSES—FOURTH YEAR

31-32. **Practice.**—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences; 4, *I*; 2, *I.* Lectures, Professor WILLIAMSON, Professor TICE
Conferences and recitations, Associate Professor WEATHERSON

35. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor WILLIAMSON

37. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Professor TICE

39. **Clinic.**—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. *I.* Associate Professor STRAUSS

41. **Clinic.**—St. Luke's Hospital. 1 two-hour period.
Professor ELLIOTT

47. **Clinic.**—Augustana Hospital. 1 two-hour period. I.
Associate Professor SMITHIES

49-51. **Seminar.**—Work in cooperation with the departments of surgery. and obstetrics. The student receives 48 hours credit, 16 in each department, although the work is done only in one department. The entire class is divided into three groups and each of these again into five sub-groups. During the first semester the groups meet informally and abstracts are prepared and submitted for criticism. During the second semester each group is assigned one hour in which to present its work before the entire class.
Professor WILLIAMSON, Professor HESS, Associate Professor MOORE

OPTIONAL COURSES—THIRD YEAR

1-X. **Tuberculosis.**
Associate Professor CHAUVET

2-X. **Tuberculosis of the Lymphatic System.**
Dr. METCALF

Optional Courses—Fourth Year

3-X. Diseases of the Blood. (*Eight Weeks*).
Associate Professor Moore

4-X. Tuberculosis. (*Eight Weeks.*)
Associate Professor Moore

5-X. Diseases of the Heart.
Associate Professor Strauss

6-X. Diseases of Pancreas and Intestines.
Associate Professor Smithies

7-X. Principles of Medicine, Review Course.

DIVISION OF PEDIATRICS

Julius Hayes Hess, M.D., *Professor and Head of the Division*
Henry Eugene Irish, M.D., *Associate Professor*
Maurice Lamm Blatt, M.D., *Associate Professor*
Lester Edward Bower, A.B., M.D., *Assistant Professor*
Solomon Maxwell Goldberger, M.D., *Associate*
Isador Michael Levin, S.A., S.B., M.D., *Associate Instructor*
Joseph K. Calvin, S.B., M.D., *Instructor*
Philip Rosenblum, M.D., *Instructor*
Maxwell P. Borovsky, B.S., M.D., *Instructor*
Robert Ludwick Furby, M.D., *Instructor*
Clifford Philip Strause, S.B., M.D., *Assistant*
Francis J. Gerty, M.D., *Assistant*
Israel Lytton Sherry, S.B., M.D., *Assistant*
Reinhold C. Schlueter, M.D., *Assistant*

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. **Practice and Clinic.**—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences; 1. *I.* Professor Hess

4. **Practise.**—Recitations, 1. *I.*
Associate Professor Irish and assistants

7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups; 2 (*four weeks*). *I.* Associate Professor Irish

9. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor Bower

Required Courses—Fourth Year

11. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Assistant Professor Bower

15-16. **Clinic.**—Dispensary. In sections; 3 two-hour periods (*three weeks*). *II.* Dispensary Staff

19. **Clinic.**—Cook County Hospital. In groups; one two-hour period. *I.*
Professor Hess

21. Clinic.—Cook County Hospital. In groups; two-hour periods (*four weeks*). *I.* Associate Professor Blatt

23. Clinic.—Michael Reese Hospital. In groups; one-hour periods (*eight weeks*). *I.* Professor Hess

DIVISIONS OF NEUROLOGY AND PSYCHIATRY

H. Douglas Singer, M.D., M.R.C.P., *Professor of Psychiatry and Head of the Divisions*

George Boris Hassin, M.D., *Associate Professor of Neurology*

Haim I. Davis, M.D., *Associate Professor of Psychiatry*

Charles F. Read, B.S., M.D., *Assistant Professor of Neurology and Psychiatry*

Ralph Chess Purnell Truitt, M.D., *Assistant Professor of Neurology and Psychiatry*

Harold Stacey Hulbert, M.D., *Associate in Neurology*

Isadore B. Diamond, M.D., *Associate in Neurology.*

3-4. Practice and Clinic.—Dispensary and Cook County Hospital. Lectures, demonstrations, examination and diagnosis; in sections; 6 two-hour periods (*seven and one-half weeks*) *I*, and 1 two-hour period, *I.*

Professor Singer, Associate Professor Hassin, Assistant Professor Read, Assistant Professor Truitt, Dr. Hulbert.

DIVISION OF ROENTGENOLOGY

Adolph Hartung, M.D., *Assistant Professor*

Joseph J. Litschgi, M.D., *Instructor*

Required Course—Fourth Year

4. Practise and Demonstration.—College. The use of the X-ray in medicine and surgery. 4 one-hour periods. *I.*

Assistant Professor Hartung

DIVISION OF HISTORY OF MEDICINE

Bernard John Cigrand, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

51. Lectures; 1. *I.*

OBSTETRICS AND GYNECOLOGY

Charles Sumner Bacon, Ph.B., M.D., *Professor and Head of the Department*

Henry Foster Lewis, A.B., M.D., *Professor*

Rachelle S. Yarros, M.D., *Associate Professor*

Otto Herman Rohrlack, Ph.G., M.D., *Associate Professor*

Walter Charles Hammond, M.D., *Associate*

Annie Esther Barron-Harrison, M.D., *Instructor*

Hans Nachtigall, M.D., *Instructor*

Eugene Cary, S.B., M.D., *Instructor*

Pearlie May Stetler, A.B., M.D., *Instructor*

Woodruff Lynden Crawford, B.S., M.D., *Assistant*

Edgar Theron Blair, B.S., M.D., *Assistant*
Marshall Daniel Hayes, B.S., M.D., *Assistant*
James Edward Fitzgerald, B.S., M.D., *Assistant*
Samuel Glenwood Plice, B.S., M.D., *Assistant*

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital and the Chicago Lying-In Hospital and Dispensary. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups in the University Hospital. Students are required also to assist in the delivery of twelve parturients. Reports of these cases are kept by students and form the basis of conference discussions. An amphitheater clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary. The Dispensary. located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to care for the patient during her labor. A student and nurse visit her daily for ten days afterward. The fee for the course is $15.00 payable in advance at the Dispensary.

Required Courses—Third Year

5-6. Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures and recitations; 3. *I.*

Associate Professor Yarros, Dr. Hammond, Dr. Cary, Dr. Stetler

9. Clinic.—University Hospital. Instruction at beside and in the dispensary. To small groups, 6 one-hour periods (*two weeks*).

Professor Bacon, Associate Professor Rohrlack, Dr. Barron-Harrison, Dr. Blair

12. Clinic.—University Hospital. The class is divided into groups The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16.—Pathology of Pregnancy, Labor, and the Puerperium.—Lectures and recitations; 3. *I.*

Professor Bacon, Associate Professor Rohrlack, Dr. Nachtigall

(a) Laboratory work in pathological anatomy and histology. To small groups, 1 two-hour period (*eight weeks*). Dr. Nachtigall

(b) Manikin work. To small groups; 1 two-hour period (*eight weeks*). Professor Lewis, Dr. Hayes

19. Clinic—Cook County Hospital. To small groups (*four weeks*). Professor Lewis

22. Clinic.—University Hospital. Demonstrations and operations, 1. *I.* Professor Bacon

25. Clinic.—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. Clinic.—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. Seminar.—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work is done only in one department. The class is divided into three groups, and each of these again into five subgroups. The purpose of this seminar is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism, and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor Lewis, Associate Professor Rohrlack, Dr. Nachtigall, Dr. Cary

Optional Courses—Third Year

1-X. Review Course in Obstetrics. 1. *I.*
Dr. Fitzgerald, Dr. Plice

2-X. The Relation of the Endocrine Glands to Obstetrical Affections. 1. *I.* Associate Professor Rohrlack

Optional Courses—Fourth Year

1-X. Oxytocics. 1. *II.* Professor Bacon

2-X. Review Course in Obstetrics. 1. *I.* Dr. Fitzgerald, Dr. Plice

3-X. Puerperal Infections. 1. *I.* Associate Professor Rohrlack

DIVISION OF GYNECOLOGY

Channing W. Barrett, M.D., *Professor and Head of the Division*
John Michael Lang, M.D., *Assistant Professor*
Egan Walter Fischmann, M.D., *Assistant Professor*
Albert John Schoenberg, M.D., *Associate*
Frank Lee Stone, M.D., *Associate*
Leo Anthony Juhnke, M.D., *Instructor*
Goldye Hoffman, M.D., *Instructor*

General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practise.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. 1. *II.*

Professor Barrett, Assistant Professor Fischmann, Dr. Stone

7. Clinic.—Cook County Hospital. One two-hour period. *I.*
Professor Barrett

15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases and write reports. In as far as the students' time permits, the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). *II.*

Assistant Professor Lang, Assistant Professor Fischmann, Dr. Schoenberg, Dr. Stone, Dr. Juhnke, Dr. Hoffman

Optional Courses—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology.

Dr. Stone

OPHTHALMOLOGY

Edward Vail Lapham Brown, B.S., M.D., *Professor and Head of the Department*

Francis Lane, A.B., M.D., *Professor*

Harry W. Woodruff, Ph.G., M.D., *Professor*

Harry S. Gradle, A.B., M.D., *Assistant Professor*

Hallard Beard, S.B., M.D., *Instructor*

William Franklin Moncreiff, S.B., M.S., M.D., *Instructor*

Margaret Amerton Heath, A.B., *Instructor*

Louis Bothman, B.S., M.D., *Assistant*

Required Courses—Fourth Year

3-4. Clinic and Practice.—Dispensary, clinic and laboratory course. This includes 16 to 20 hours on the normal and pathological anatomy of the eye, 8 to 12 hours practice in the use of ophthalmoscope, perimeter, focal light and test charts. The balance of the 48 required hours are spent in the study of those eye diseases which the general practitioner most frequently encounters.

Professor Brown, Dr. Beard, Dr. Moncreiff, Miss Heath

5. Didactic Ophthalmology.—Diseases of the eye. 1 two-hour period (*four weeks*). Assistant Professor Gradle

Optional Courses—Fourth Year

1-X. Surgery of the Eye. The more important eye operations. 4 two-hour periods. Illinois Charitable Eye and Ear Infirmary.

Professor Woodruff

Optional Courses—Fifth Year

1-X. Ophthalmology.

1. Methods of Clinical Examination (9-12 a.m. daily), 12 months.
2. Methods of Laboratory Examination (2-5 p.m. daily), 8 months.
3. Surgical work in the University Hospital (12-1 p.m. daily), 12 months.
4. Study of classical monographs and preparation of 25 case-histories for "The Board of Ophthalmic Examinations" (2-5 p.m. daily), 4 months.

Physicians' Extension Courses in Ophthalmology

1. Clinical Course.—Designed to train graduates for staff positions. The course affords individual training in standardized methods. The work is of a practical case-study nature.

A given method or process, such as retinoscopy or perimetry, is first explained and demonstrated. The physician is then assigned a case in which the data have been previously determined by the instructor. The process is continued until a reasonable degree of accuracy has been attained. Only one process is studied at a time; cases as a whole are not assigned until all processes are completed. Processes taught are: Determination of Central Visual Acuity, Neutralization of Lenses, Retinoscopy, Refraction with Cycloplegia and without, Tonometry, Perimetry, Determination of Degrees of Strabismus or Paralysis, Types of Discs (Elschnig's Classification), Measurement of Disc Levels, Objective Findings in External and Fundus Disease, and Case-History Writing; cases as a whole, and diagnosis, prognosis and treatment of particular cases. The course extends over one year. The first four months cover work in the first four processes, the second four months cover the next five, and the third four months complete the course. Pathology is taken with undergraduate students. In the third period classical monographs are abstracted. Hours: 9 to 12 a.m., 6 days per week.

The fee for each period of four months is $50.00. The Staff

2. Pathology of the Eye.—Four months. Hours to be arranged. *I.*
Professor Brown, Professor Lane

PATHOLOGY AND BACTERIOLOGY

David John Davis, B.S., M.D., Ph.D., *Professor and Head of the Department*

William F. Petersen, A.B., M.D., *Associate Professor*
John Weston Nuzum, B.S., M.D., *Associate*
Isador Pilot, B.S., M.D., *Instructor*
Francis Todd H'Doubler, B.A., M.A., Ph.D., M.D., *Instructor*
Samuel A. Levinson, B.S., M.S., M.D., *Instructor*
Alice K. Hall, B.A., B.S., M.D., *Instructor*
Frederick Pickoff, B.S., M.D., *Instructor*
Royal W. Rudolph, A.B., M.D., *Assistant*
Joseph Lepak, *Technician*
Stanley Moore, *Technician*

Required Courses—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures, demonstrations; 3: laboratory; 2 three-hour periods. *I.*
Professor Davis, Dr. Pilot and assistants

Required Course—Second Year

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures, recitations, demonstrations; 4: laboratory, 4 two-hour periods. *I.*
Associate Professor Petersen, Dr. Levison, Dr. Pickoff, Dr. H'Doubler

22. Clinical Pathology.—Microscopic, bacteriologic and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 2 two-hour periods. *I.* Dr. Pilot, Dr. Hall and assistants

Required Courses—Third Year

26. Special Pathology and Autopsies.—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. Three two-hour periods. *I.* Professor Davis, Dr. Pilot, Dr. Hall

Optional Courses

50. Advanced Work and Research in Bacteriology.—Limited to properly qualified students. Professor Davis, Associate Professor Petersen

51. Advanced Work in Special Diagnostic Laboratory Methods.—Limited to a few qualified students. Dr. Pilot

55. Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I.* Associate Professor Petersen

Courses for Graduates

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases; lower animals in the transmission of human diseases. *One unit.*
Professor Davis

105. Individual Research.—*One or two units.*
Professor Davis

PHARMACOLOGY, MATERIA MEDICA AND THERAPEUTICS

Hugh Alister McGuigan, B.S., Ph.D., M.D., *Professor and Head of the Department*

Harry Victor Atkinson, B.S., Ph.D., *Instructor*
Clyde Mason Snow, Ph.G., *Instructor*
Seymour J. Cohen, B.S., M.S., M.D., *Instructor*
Walter John Richard Heinekamp, B.S., M.S., *Assistant*
Harold Norris Ets, B.S., *Assistant*
John E. Nilson, *Demonstrator*
Harry Joseph Schleck, *Technician*

Required Courses—Second Year

8. Pharmacology.—Lectures and recitations; 3: laboratory; one three-hour period. *I.*
Professor McGuigan, Dr. Atkinson and assistants

10. Pharmacy and Materia Medica.—Lectures and recitations; 1: demonstrations and laboratory; 3. *I.*
Professor McGuigan, Mr. Snow and assistants

12. Pharmacology and Toxicology.— Lectures and recitations; 2: laboratory; 2. *I.*
Professor McGuigan, Dr. Atkinson and assistants

Required Course—Third Year

20. General Therapeutics.—2. *I.* Professor McGuigan, Mr. Nilson

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research work. Professor McGuigan

Courses for Graduates

101. Advanced Pharmacodynamics.—Laboratory work.—*One unit.*
Professor McGuigan

103. Research Work in Pharmacodynamics.—*One or two units.*
Professor McGuigan

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

George Peter Dreyer, A.B., Ph.D., *Professor and Head of the Department*
William Henry Welker, A.C., Ph.D., *Professor of Physiological Chemistry*
Grover Tracy, A.B., *Associate in Physiological Chemistry*
Paul Gerhard Albrecht, B.S., Ph.D., *Associate in Physiological Chemistry*
Reginald Alex Cutting, A.B., M.A., Ph.D., *Associate in Physiology*
James Tobias Groot, S.B., B.S., *Instructor in Physiology*
Karl Kasper Borsak, A.B., *Instructor in Physiology*
Jesse Louis Bollman, A.B., M.S., *Assistant in Physiological Chemistry*
Carl Thompson Stephan, B.S., M.D., *Assistant in Physiology*
Howard LaRue Marsh, S.B., M.S., *Assistant in Physiological Chemistry*
Clarence Charles Saelhof, B.S., M.S., *Graduate Assistant in Physiological Chemistry*
Frank Brazzil Kelly, B.S., M.D., *Graduate Assistant in Physiology*
John Lester Reichert, B.S., M.D., *Graduate Assistant in Physiology*
Samuel A. Hansen, *Technician in Physiology*
Frank Long, *Technician in Chemistry*
Lorenz Laurentine Smith, *Assistant Technician in Chemistry*

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation, and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply useful technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory. The main library contains complete files of the more important journals of biochemistry.

REQUIRED COURSE—FIRST YEAR

20. Physiology.—Blood and lymph, muscle and nerve, circulation, and respiration. Lectures and recitations, 3; demonstration and laboratory, 2 two-and-one-half-hour periods. *I.*

Professor DREYER, Dr. CUTTING and assistants

27. Physiological Chemistry and Toxicology.—Lectures, demonstrations, conferences, 3; laboratory, 8 hours. *I.*

Professor WELKER, Mr. MARSH, Mr. SAELHOF and assistants

REQUIRED COURSE—SECOND YEAR

29. Physiology.—Digestion; secretion; metabolism; the special senses; the central nervous system. Lectures, recitations, demonstrations, 5; laboratory, 1 four-hour period. *I.*

Professor DREYER, Dr. CUTTING and assistants

OPTIONAL COURSES

51. Advanced Laboratory Work.—Physiological demonstration and research; graphic methods. Professor DREYER

53. Quantitative Urinary Analysis.—Lecture; 1: laboratory; 6. *I.*

Professor WELKER, Mr. TRACY

54. Sanitary Chemistry.—Water and sewage analysis; purification. Lecture; 1: laboratory; 6. *I.*

Professor WELKER

59. Food Analysis.—Composition, adulteration, preservation. Lecture; 1: laboratory; 6. *I.* Mr. TRACY

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under the direction of the members of the staff.

63-64. Seminar.—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisite for optional courses: In physiology, courses 20 and 29, and in chemistry, course 27.

.COURSES FOR GRADUATES

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*

Professor WELKER

107. Biochemical Research.—*One or two units.*

Professor WELKER

SURGERY

Charles Davison, A.M., M.D., *Professor and Head of the Department*

DIVISION OF GENERAL SURGERY

Charles Davison, A.M., M.D., *Professor*
Albert John Ochsner, B.S., M.D., LL.D., *Professor*
Albert Edward Halstead, M.D., *Professor*
William McIntyre Harsha, A.B., M.D., *Professor*
Charles Edward Humiston, M.D., Sc.D., *Professor*
Nelson Mortimer Percy, M.D., *Professor*
George Farnsworth Thompson, B.S., M.D., *Associate Professor*
Karl Albert Meyer, M.D., *Associate Professor*
Frederick George Dyas, M.D., *Associate Professor*
Henry Bascom Thomas, B.S., M.D., *Associate Professor of Orthopedic Surgery*
Cassius Clay Rogers, A.M., M.D., *Associate Professor*
John Ross Harger, B.S., M.D., *Assistant Professor*
Charles Herbert Phifer, M.D., *Assistant Professor*
Benjamin Franklin Lounsbury, B.L., M.D., *Assistant Professor of Operative Surgery*
Harry Culver, M.S., M.D., *Assistant Professor of Genito-Urinary Surgery*
Raymond William McNealy, M.D., *Assistant Professor*
George Luther Davenport, M.D., *Assistant Professor*
Arrie Bamberger, B.S., M.D., *Associate*
Oscar Eugene Nadeau, B.S., M.D., *Associate in Surgical Pathology*
Henry Lester Baker, M.D., *Associate*
George Washington Post, A.M., M.D., *Associate*
Ernest Jason Ford, A.B., M.D., *Associate*
Ralph Charles Sullivan, A.M., M.D., *Associate*
Max Meyerovitz, M.D., *Instructor*
Lyndon Harris, M.D., *Instructor*
Clara Grace Gottschalk, M.D., *Instructor*
Frederick Christopher, B.S., M.D., *Assistant*
Hanby Lewis Ford, B.S., M.D., *Assistant*
Paul Sterling Carley, B.S., M.D., *Assistant*
Virgil Sheets Counsellor, B.S., M.D., *Assistant*
Gilbert Palmer Pond, B.S., M.D., *Assistant*
John Fisher Gainer, B.S., M.D., *Assistant*
Francis Todd H'Doubler, A.M., Ph.D., M.D., *Assistant*

Required Courses—Third Year

3-4. Practise.—Surgery and surgical pathology. Conferences, recitations. In sections; 2. *II.*

Assistant Professor Phifer, Dr. Post, Dr. Bamberger, Dr. Sullivan

7-8. Clinic.—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). *II.*

Assistant Professor Harger, Dr. Bamberger, Dr. Post, Dr. Harris

9. Clinic.—Cook County Hospital. 1 two-hour period. *I.*

Assistant Professor McNealy

10. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

11. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor DYAS

12. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

19. Anesthetics.—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital.
Associate Professor MEYER

OPTIONAL COURSES—THIRD YEAR

1-X. Anesthetics, Surgical Dressings, and Bandaging.—Individual instruction and demonstration of the application of surgical dressings. 1. *I.*
Dr. BAKER

2-X. Surgical Diagnosis.—1. *I.* Assistant Professor MCNEALY

3-X. Principles of Surgery.—A review course. 1. *I.*
Associate Professor MEYER, Dr. FORD, Dr. CARLEY, Dr. GAINER

4-X. Special Fractures.—Lectures, recitations, conferences. 1. *I.*
Assistant Professor DAVENPORT

5-X. Operative Surgery of the Abdomen on Animals.—1. *I.*
Dr. GRAHAM, Dr. BRAUDE

6-X. Preoperative and Postoperative treatment. —1. *I.* Dr. NADEAU

REQUIRED COURSES—FOURTH YEAR

23-24. Practise.—Regional surgery. Conferences, recitations. In sections. 1. *I.*
Professor HUMISTON, Associate Professor MOORE,
Associate Professor ROGERS, Assistant Professor LOUNSBURY

29. Clinic.—University Hospital. 1 two-hour period. *I.*
Professor DAVISON, Dr. MEYEROVITZ

31. Clinic.—St. Mary's Hospital. 1 two-hour period. *I.*
Professor PERCY

32. Clinic.—Augustana Hospital. 1 two-hour period. *I.*
Professor OCHSNER

33. Clinic.—St. Luke's Hospital. 1 two-hour period. *I.*
Professor HALSTEAD, Professor HARSHA

34. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Associate Professor THOMPSON

35. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor MCNEALY

36. Clinic.—Cook County Hospital. 1 two-hour period. *I.*
Assistant Professor DAVENPORT

37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis. 1. *I.* Associate Professor MEYER

37b. Clinc.—Cook County Hospital. Individual Bedside Instructon in Surgical Diagnosis. Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. *I.*
Professor DAVISON, Dr. GOTTSCHALK

41. Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*). Dr. NADEAU

43-44. Surgical Seminar.—Work done in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester, the groups will meet only informally, and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.

Assistant Professor Harger, Dr. Counsellor

Optional Courses—Fourth Year

6-X. Surgery of the Abdomen.—Lectures, conferences, recitations. 1. *I.* Associate Professor Thompson

7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. 1. *I.* Associate Professor Thomas

8-X. Regional Surgery.—A review course. 1. *I.* *Pre-requisite; 3-X.* Associate Professor Meyer, Dr. Ford, Dr. Carley, Dr. Gainer

9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations. I. *I.* Associate Professor Rogers

10-X. Surgery of the Thorax.—Lectures, conferences, recitations. 1. *I.* Dr. Ford

11-X. Surgical Diseases of the Kidneys.—1. *I.* Assistant Professor Culver

DIVISION OF ORTHOPEDIC SURGERY

Henny Bascom Thomas, B.S., M.D., *Associate Professor*
John Perley Sprague, A.B., M.D., *Associate*
Marcus Hatfield Hobart, A.B., M.D., *Associate*
Thomas John Sullivan, Jr., M.D., *Instructor*
Dennis Rider Wood Crile, B.S., M.D., *Instructor*
Frank George Murphy, B.S., M.D., *Instructor*

Required Courses—Third Year

3. Practise.—Conferences, recitations. In sections. 1. *I.* Associate Professor Thomas, Dr. Sprague, Dr. Hobart, Dr. Sullivan, Dr. Crile

7. Clinic.—St. Luke's Hospital. 1. *I.* Associate Professor Thomas

8. Clinic.—St. Mary's Hospital. 1. *I.* Dr. Crile

9. Clinic.—University Hospital. 1. *I.* Dr. Sprague

15-16. Clinic.—Dispensary. In sections; three two-hour periods (*three weeks*). *II.*
Associate Professor Thomas, Dr. Hobart, Dr. Sullivan, Dr. Sprague

DIVISION OF GENITO-URINARY SURGERY

Charles Morgan McKenna, B.S., M.D., *Associate Professor*
Harry Culver, M.S., M.D., *Assistant Professor*
Harry Jerome Smejkal, M.D., *Instructor*
Russell Dorr Herrold, B.S., M.D., *Instructor*
Vincent John O'Conor, B.S., M.D., *Instructor*
Gerald Deland Gernon, B.S., M.D., *Assistant*

REQUIRED COURSES—THIRD YEAR

3. **Practise.**—Conferences, recitations. In sections. 1. *I.*
Associate Professor McKENNA, Assistant Professor CULVER, Dr. HERROLD
Dr. O'CONOR

7-8. **Clinic.**—Dispensary. In sections. Three two-hour periods (*three weeks*). *II.* Associate Professor McKENNA, Dr. SMEJKAL

REQUIRED COURSES—FOURTH YEAR

11. **Clinic.**—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catherization of the ureters, interpretation of roentgenograms and of chemical and microscopical urinalyses. In sections; 2 two-hour periods (*three weeks*).
Assistant Professor CULVER

14. **Clinic.**—St. Joseph's Hospital. In sections; 1 two-hour period. *I.* (*eight weeks*). Associate Professor McKENNA

DIVISION OF OPERATIVE SURGERY

BENJAMIN FRANKLIN LOUNSBURY, B.L., M.D., *Assistant Professor*
ARCHIE JAMES GRAHAM, B.S., M.D., *Instructor*
ARTHUR R. METZ, A.B., M.D., *Instructor*
IRVING ROBERT BROWNING, B.S., M.D., *Assistant*
BENJAMIN BRAUDE, M.S., M.D., *Assistant*

REQUIRED COURSE—SECOND YEAR

3. **Operative Surgery.**—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections; one two-hour period. *I.*
Assistant Professor LOUNSBURY, Dr. METZ, Dr. BROWNING

PROVISIONAL SUMMARY OF HOURS

FIRST YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross	32	112	32	112	288
Microscopic	32	160	32	64	288
CHEMISTRY:					
Physiological	48	128	..	..	176
PHYSIOLOGY	..	..	48	80	128
	112	400	112	256	880

SECOND YEAR

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical	32	96	..	..	128
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Pharmacology and Pharmacy	48	48	48	80	224
Pathology	..	..	64	128	192
Clinical Pathology	..	..	..	64	64
Physical Diagnosis	..	..	16	32	48
Physiology	80	64	..	..	144
Surgery (Operative)	..	..	..	32	32
	208	304	160	400	1072

PROVISIONAL SUMMARY OF HOURS—Continued

THIRD YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	tic	Clinical & Laboratory	Dispensary	
Autopsies	..	..	..	..	32	..	32
Oto-Laryngology	16	16	9	10	..	9	60
Internal Medicine	64	48	18	64	32	18	244
Medical Jurisprudence	..	..	..	16	..	..	16
Pathology	..	..	..	16	48	..	64
Pediatrics	16	8	..	16	8	..	48
Pharmacology and Therapeutics	32	..	..	..	..	..	32
Obstetrics	48	..	..	..	12	..	60
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery	..	32	18	16	..	18	84
Genito-Urinary Surgery	16	..	18	..	..	18	52
Electives	16	..	..	16	..	..	32
	240	136	81	186	168	81	892

PROVISIONAL SUMMARY OF HOURS—Continued

FOURTH YEAR

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical & Laboratory	Dispensary	Didactic	Clinical & Laboratory	Dispensary	
Dermatology	16	16	9	16	..	9	66
Genito-Urinary Surgery	..	20	..	..	..	..	20
Gynecology	16	32	18	16	..	18	100
Hygiene	..	..	..	..	24	..	24
Medicine	64	42	..	48	42	..	196
Neurology	..	48	..	..	48	..	96
Obstetrics	48	32	..	..	24	..	104
Ophthalmology	..	32	..	..	32	..	64
Pediatrics	..	40	..	..	40	..	80
Psychiatry	..	..	..	..	16	..	16
Roentgenology	..	..	..	..	4	..	4
General Surgery	16	86	..	32	86	..	220
Surgical Pathology	..	..	..	..	16	..	16
Electives	48	..	..	48	..	..	96
	208	348	27	160	332	27	1102

First year	880
Second year	1072
Third year	892
Fourth year	1102
Total	3946

COLLEGE ORGANIZATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Association at the College of Medicine is a branch of the Young Men's Christian Association of Chicago. The secretary, Lucius C. Hollister, maintains his headquarters immediately adjacent to the College of Medicine. He has charge of the Employment Bureau, Room Register, Student Information Bureau, and the social and religious activities of the student body.

The aim of the Association is service. It purposes to provide opportunity for the development of a varied program of service which will make for the attainment of the best in the individual and in the student body. The various activities are promoted by the cabinet—a group of student committees especially qualified for such service. The committees perform a special service through the employment bureau which is maintained to help those students who have to work their way through college.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Women Medical Students' Christian League, affiliated with the National Y. W. C. A. holds frequent luncheons throughout the year at which outside speakers are entertained. One Sunday a month, the women of the seven medical colleges meet in an inspirational and social meeting at some home.

ALUMNI ASSOCIATION OF THE COLLEGE OF MEDICINE OF THE UNIVERSITY OF ILLINOIS

President—William M. Crosier, '07, Alexis, Illinois.

President-Elect—John M. Krasa, '13, 439 Washington Blvd., Oak Park, Illinois.

1st Vice-President—N. S. Simons, '14, Whitehall, Wisconsin.

2nd Vice-President—Alva Sawyer, '13, 4052 W. Madison St., Chicago, Illinois.

3rd Vice-President—Edgar Blair, '20, 958 N. Leavitt St., Chicago, Illinois.

Secretary and Treasurer—Marshall Davison, '19, 432 S. Lincoln St., Chicago, Illinois.

Delegate to Alumni Council—Robert W. Morris, '02, 4301 Ellis Ave., Chicago, Illinois.

Member Executive Committee—Charles Geiger, '04, Kankakee, Illinois.

Necrologist—M. Robert Weidner, '83, Dolton, Illinois.

ALPHA OMEGA ALPHA

Alpha Omega Alpha, an international honorary medical fraternity, with chapters in twenty-four "Class A" medical schools, was founded in the College of Medicine, in 1902.

Third and fourth year medical students who have a grade of scholarship ranking them in the upper one-sixth of their class are eligible for membership.

OFFICERS AND MEMBERS

Johannes Nielson, President
John Trimmer Wead, Vice-President
Frank Blackburn Lucas, Secretary-Treasurer
Henry George Wehringer
Robert Meyer Mandel
William Henry Myers
Benjamin Rappaport

MEDICAL RESEARCH CLUB

The Medical Research Club, the object of which is the stimulation of scientific research, meets once a month for the discussion of original scientific contributions. Since its organization in November, 1913, many papers have been presented before the society. The spirit of generous competition and helpful criticism that prevails in this club has been a stimulus toward the production of an increasing number of valuable scientific contributions.

Graduate students and others giving promise of doing meritorious work are eligible to associate membership. Associate members have all the rights and privileges of the club except the right to vote.

PAPERS READ BEFOPE THE MEDICAL RESEARCH CLUB OF THE UNIVERSITY OF ILLINOIS

1921-1922

The Occurrence of Hemolytic Streptococci about the Teeth and Gums. Mr. Ralph A. Kordenat.

Serum Alterations in Pregnancy. Dr. Wm. F. Petersen.

Tumors of Retina and Optic Nerve. Dr. Van der Hoeve.

The Kottmann Reaction. Drs. W. F. Petersen, F. T. H'Doubler and S. A. Levinson.

The Treatment of Phosphorous Poisoning. Mr. H. V. Atkinson.

Venesection as a Therapeutic Measure in Lobar Pneumonia. Drs. W. F. Petersen and S. A. Levinson.

Some Important Lesser Known Actions of Atropine. Dr. H. A. McGuigan and Mr. W. J. R. Heinekamp.

Studies in the Wildbolz Reaction. Dr. M. E. Fisch.

The Quantative Estimation of Iodine in Urine. Mr. H. L. Marsh and Mr. T. J. Mohr.

Food Accessory Factors in the Growth of Hemophilic Bacilli. Dr. D. J. Davis.

Relation of Lateral Line Canals to the Formation of Bone. Dr. Roy L. Moodie.

Relative Toxicity of Maternal and Fetal Plasma. Drs. W. F. Petersen and S. A. Levinson.

The Biology of an acid fast Actinomycete. Dr. Oeffre Garcia.

The Effect of Intravenous Injection of Colloidal Metals on Metabolism. II. Colloidal Copper. Mr. Glover Tracy.

Life History of Ascaris. With moving picture demonstration. Dr. Raffensberger.

Liver Changes in Mushroom Poisoning. Dr. Paul Klemperer.

Effect of Intraperitoneal Injection of Oil on Tubercle Formation. Drs. W. F. Petersen and S. A. Levinson.

DEGREES CONFERRED

Session of 1921-1922

DEGREE OF DOCTOR OF MEDICINE

Conferred July 1, 1922, in Chicago

Lewis Albert Alesen, B.S.
Carl Alfons Bacon, B.S.
L. Benno Bernheimer
Julius Brams, B.S.
Richard Clare Burkett, B.S.
Frank Leland Chenoweth, B.S.
John Spurgeon Coleman, B.S.
John Dwight Davis, A.B.
Ernest Napoleon D'Alcorn, B.S.
Howard Olney Dennis, B.S.
Pedro Joaquin Dona, B.A., B.S.
Franklin Ransom Fitch, B.S.
William John Focke
John Fisher Gainer, B.S.
Maxwell Julian Goldenson, B.S.
Harry Gordon, B.S.
Ruth Pierce Guilder, B.S.*
Charles Owen Hershey
Ralph Wesley Hoffman, B.S.
John Anthony Hospers
Ingvald Johan Jensen, B.S.
Harrison Bonwell Jewell, B.S.
John Holly Jewell, B.S.
James Paul Johnston
Adolph Kraft, B.S., M.S.
Ralph August Kordenat, B.S., M.S.†
Joseph Eli Laibe, B.S.
Abe Louis Levin
Ethel Esther Little, A.B., B.S.
Harold Barker Loughery, B.S.
Don Clayton Merrill, B.S.
Raymond Ervin Mitchell
Rudolph J. Mroz, B.S.
Jacob Herman Nemeroff
Arnold Carl Nickels, B.S.
Samuel Glenwood Plice, B.S.
Casimir Frank Przypyszny, B.S.
Oscar Benjamin Raginsky, B.S.
Frederick August Rettig, B.S.
Julius Rhodes, B.S.
Frank Raymond Richmond, B.S.
Theodore August Rost, B.S.
Irvin Rubin, B.S.
Robert Henry Schroeder, B.S.*
Herman Milton Soloway
Clarence Charles Saelhof, B.S., M.S.
Hyman Ischia Spector, B.S.
Homer Samuel Warren, Jr., B.S.
Leonard Fred Weber
Louis Jerome Wisch
William Yonker, B.S.

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*Conferred August 1, 1922, in Chicago
†Conferred August 3, 1922, in Chicago

THE DEGREE OF BACHELOR OF SCIENCE

Conferred February 8th, 1922, in Chicago

William Burst
Morton Joseph Mills
Mannie Arnold Polkovitz
Carl August Wilke

Conferred June 10, 1922, in Chicago

Ernest Alcivar
Ralph Boyce Armitage
Harry Clinton Bigglestone, A.B.
Max T. Bolotin
Glen Amos Brough, A.B.
Amos Presily Bratrude
Loren Leslie Collins
Raymond Green Colyer
Robert Neil Crow
Irvin Davis
Eugene Albert Edwards
Louis Eshman
Charles Herold Eye
John Francis Flynn
Robert William Flynn
Chester Philip Fox
Joseph Goldberg
Charles Weer Goff

Robert LeRoy Groves, A.B.
Harold Quinten Groos
Maurice Reese Guttman
Louis Joseph Halpern
James Pendleton Hahn
Howard Reynold Johnson
John Robert Johnson
Samuel Kaplan
Morris Lewis Karbelnig
Milton Henry Kronenberg
Aloysius Francis Lenzen, A.B.
Richard Axel Lifvendahl
William Beringer Marcusson, Jr.
Jesse Margolis
Emery James McIntire
Robert Woodruff Meals
Jacob Morton Mora
John P. Mulcahy
Andrew McNally
Owen Wendell Emen Nowlin
Clarence M. O'Hora
Arthur Paul Picard
Emma Ponzer, A.B.
Charles Theodore Poulson
John Francis Ralston
Dewey Minnis Roberts
Robert Crawford Robertson
Thomas Sanderson Robertson
David H. Rosenblum
Joseph Rubenstein
Dorrin Frederick Rudnick
Robert Schafer
Sherman Lawrence Shapiro
Frank John Smejkal
Charles Raimer Smith
Ralph Benjamin Snavely
Michael Henry Streicher
Vincent J. Sutch
Joseph Hancock Thomas
Maurice John Thornton
Alvin Stewart Thurston
Wilbur Stuart Wood
Mohammed Abbass Yahya
John Clarence Yockey
Edmund Valient Young

CERTIFICATE PRESENTED JUNE 10, 1922, IN CHICAGO

Students who have completed four years of work in the College of Medicine and who upon the completion of a year of satisfactory interneship in a hospital approved by the University will be entitled to the Degree of Doctor of Medicine.

Sam Abrahams, B.S.
Bertha Marie G. Anderson, B.S.
Bayard Melvin Bailey, B.S.
Simeon Leo Berman, B.S.
Coleman A. Block, B.S.
Arthur Reuben Bloom, B.S.
Albert Jay Boner, B.S.
William Lane Buhrman, B.S.
William Burst, B.S.
Jay Reed Dewey, B.S.
Ruby Marie Donaly Faxon
Glen Wesley Doolen, B.S.
Isadore Abraham Drues, B.S.
Persis Elfeld, B.S.
Donald Eugene Faxon, B.S.
Julius Ernest Fleischner, B.S.
Joseph Goldberg, B.S.
Clarence Orville Hughes, B.S.
Raymond Julian Josewski
George Shaynin Livingston, B.S., M.S.
Saul Hyman Maizus, B.S.
Robert Meyer Mandel, B.S.
Harry Oliver Maryan, B.S.
Edward Lincoln Masterton, B.S.
Paul Burns Monroe, B.S.
John Kelly Moeur, B.S.
Carl Leonard Mulfinger, B.A., B.S.
William Henry Myers, B.S.
Herman J. Pilka, B.S.
Mannie Arnold Polk, B.S.
Guy Victor Pontius, B.S.
Albert LeRoy Potts, B.S.
Evsay Prilla, B.S.
Manfred U. Prescott, B.S.
Ben Zion Rappaport, B.S.
Otto Andrew G. Reinhard, B.S.
Tobias Resnik, B.S.
Henry Harry Rubin, B.S.
James Hirst Rutledge, B.S.
George Cleveland Shelton, B.S.
Annie Thompson Smith, A.B., A.M.
Samuel Tolpin, B.S.
Ward Huston Ventress, B.S.
David Arthur Welensky, B.S.
Nathan S. Zeitlin, B.S.

REGISTER OF STUDENTS

Session of 1922-1923

FIFTH YEAR CLASS

Students who completed four years of work, June 9, 1921, but who have not yet finished their fifth year:

Cook County Hospital	William Harcourt Browne
Chicago, Illinois.	Neal Dow Crawford
	Walter J. R. Heinekamp
	Dorrin Fred Rudnick
	Paul White Rush
	Roger Edmund Pinkerton
	Philip L. Aries
	Maurice Joseph Rosenberg
	Irving Joseph Shapiro
	Alfred Stanley Traisman
Henrotin Hospital	Leonard L. Charpier
Chicago, Illinois.	
King's County Hospital	Paul Jones Bronson
Brooklyn, N. Y.	Frank Stewart
Metropolitan Hospital	Irwin Gabriel Spiesman
New York, N. Y.	
University Hospital	Edle Lillian Bendeke
Chicago, Illinois.	
Philippine General Hospital	Sofronio C. Zulaybar
Manila, P. I.	
St. Joseph's Hospital	Theodore Ross Van Pelt
Chicago, Illinois.	
St. Luke's Hospital	Milton Boyce Hebeisen
St. Paul, Minn.	

Students who received certificates June 10, 1922:

Augusta Hospital	Albert Jay Boner
Augusta, Maine	
Buffalo City Hospital	William Burst
Buffalo, N. Y.	
Christ Hospital	Ward Huston Ventress
Cincinnati, Ohio	
City and County Hospital	Raymond Joseph Josewski
St. Paul, Minnesota	
Cook County Hospital	Simeon Leo Berman
Chicago, Illinois	William Lane Buhrman
	Albert LeRoy Potts
	Otto Andrew G. Reinhard
	David Arthur Welensky
	Nathan S. Zeitlin
	Ben Zion Rappaport
	George Shaynin Livingston
	Henry Harry Rubin
Englewood Hospital	Evsay Prilla
Chicago, Illinois	

Grace Hospital Detroit, Michigan	Bertha Marie G. Anderson
Grant Hospital Chicago, Illinois	Tobias Resnik Mannie Polk Robert Meyer Mandel Isadore A. Drues
Indianapolis City Hospital Indianapolis, Indiana	Sam Abrahams
Los Angeles County Hospital Los Angeles, California	Joseph Goldberg John Kelly Moeur Carl Mulfinger George Cleveland Shelton
Mercy Hospital Davenport, Iowa	Glen Wesley Doolen William H. Myers
Mount Sinai Hospital Chicago, Illinois	Herman J. Pilka Samuel Tolpin
Michael Reese Hospital Chicago, Illinois	Arthur Reuben Bloom
Nebraska Methodist Hospital Omaha, Nebraska	Jay Reed Dewey
South Shore Hospital Chicago, Illinois	Edward Lincoln Masterton
St. Francis Hospital Evanston, Illinois	Ruby Marie Donaly Faxon Annie Thompson Smith
St. Joseph's Hospital Chicago, Illinois	Bayard Melvin Bailey Paul Burns Monroe
St. Louis City Hospital St. Louis, Missouri	Coleman A. Block Clarence Orville Hughes Saul Hyman Maizus
University Hospital Chicago, Illinois	Persis Elfeld
Washington Park Hospital Chicago, Illinois	Donald Eugene Faxon Julius E. Fleischner
West Side Hospital Chicago, Illinois	Manfred U. Prescott James Hirst Rutledge

Session of 1921-1922

FOURTH YEAR CLASS

Abrahams, Sam, B.S.	*Illinois*
Anderson, Bertha Marie G., B.S.	*Illinois*
Bailey, Bayard Melvin, B.S.	*Illinois*
Berman, Simeon Leo, B.S.	*Illinois*
Block, Coleman Alex, B.S.	*Iowa*
Bloom, Arthur Reuben, B.S.	*Illinois*
Boner, Albert Jay	*Illinois*
Buhrman, William Lane, B.S.	*Illinois*
Burst, William, B.S.	*Illinois*
Cirlin, Marcus	*New York*
Dewey, Jay Reed, B.S.	*Iowa*
Donaly, Marie Ruby	*Illinois*

Doolen, Glen Wesley, B.S.	*Illinois*
Drues, Isadore Abraham, B.S.	*Illinois*
Edidin, Louis, B.S.	*Illinois*
Elfeld, Persis, B.S.	*Illinois*
Faxon, Donald E., B.S.	*Illinois*
Fleischner, Julius, B.S.	*Illinois*
Goldberg, Joseph	*Illinois*
Hughes, Clarence Orville, B.S.	*Illinois*
Josewski, Raymond Julian	*North Dakota*
Livingston, George Shaynin, B.S.	*Illinois*
Maizus, Saul Hyman, B.S.	*Illinois*
Mandel, Robert Meyer, B.S.	*Illinois*
Maryan, Harry Oliver, B.S.	*Illinois*
Masterton, Edward Lincoln	*Illinois*
Monroe, Paul Burns, B.S.	*Arizona*
Moeur, John Kelly, B.S.	*Arizona*
Mulfinger, Carl Leonard, B.A., B.S.	*Illinois*
Myers, William Henry, B.S.	*Illinois*
Pilka, Herman	*Illinois*
Polk, Mannie Arnold, B.S.	*Illinois*
Pontius, Guy Victor, B.S.	*Indiana*
Potts, Albert LeRoy, B.S.	*Indiana*
Prilla, Evsay, B.S.	*Illinois*
Prescott, Manfred Ullman, B.S.	*Illinois*
Rappaport, Ben Zion, B.S.	*Illinois*
Reinhard, Otto Andrew G., B.S.	*Illinois*
Resnik, Tobias, B.S.	*Illinois*
Rubin, Henry Harry, B.S.	*Illinois*
Rutledge, James Hirst, B.S.	*Illinois*
Shelton, George Cleveland, B.S.	*Illinois*
Sinai, Leah, B.S.	*Illinois*
Smith, Annie Thompson, A.B., A.M.	*North Carolina*
Tolpin, Samuel, B.S.	*Illinois*
Ventress, Ward Huston, B.S.	*Illinois*
Welensky, David Arthur, B.S.	*Illinois*
Zeitlin, Nathan S., B.S.	*Illinois*

THIRD YEAR CLASS

Adler, Julius, B.S.	*Illinois*
Albach, Maurice, B.S.	*Illinois*
Albrecht, Paulus Gerhard, Ph.D., B.S.	*Illinois*
Alcivar, Ernest, B.S.	*New York*
Amberson, Henry Rex, A.B.	*California*
Apple, Carl, B.S.	*Illinois*
Baker, Eugene Lester, B.S.	*Illinois*
Baumgartner, George John, B.S.	*Illinois*
Belnap, Hyrum Earl, B.S.	*Utah*
Bratrude, Amos Presily, B.S.	*Minnesota*
Bollman, Jesse Louis, A.B., M.S.	*Illinois*
Byers, William Mitchell, B.S.	*Washington*

Caron, Robert Paul, B.S.	*Illinois*
DeFreitas, Clement, B.S.	*South America*
Dessent, Robert, B.S.	*Illinois*
Edwards, Eugene Albert, B. S.	*Indiana*
Edwards, Howard Milton, B.S.	*Illinois*
Epstein, David, B.S.	*Illinois*
Feldman, Louis, B.S.	*Illinois*
Figueroa, Liborio, B.S.	*Porto Rico*
Frenzel, Walter Charles	*Wisconsin*
Goff, Charles Weer, B.S.	*Iowa*
Goldberg, Bernard, B.S.	*Illinois*
Goodwin, Marcus, B.S.	*Illinois*
Greengard, Joseph, B.S.	*Illinois*
Groos, Harold Quinten, B.S.	*Michigan*
Groot, James Tobias, S.B., B.S.	*Illinois*
Hadden, Shirley Louis, B.S.	*Illinois*
Hahn, James Pendleton	*South Carolina*
Hall, Earl Hopkins, B.S.	*Wisconsin*
Harris, Richard August, B.S.	*Illinois*
Harris, Sigil Clance	*South Dakota*
Hoskins, James Howard, B.S.	*North Dakota*
Imbiorski, Stanley J., B.S.	*Illinois*
Janicki, Stanley Florin, B.S.	*Illinois*
Johnson, Harvey Chester, B.S.	*Wisconsin*
Jongewaard, Jeanette	*Iowa*
Karbelnig, Morris, B.S.	*Illinois*
Karlin, Isaac, B.S.	*Illinois*
Kellogg, Douglas Sheldon	*Iowa*
Kelly, Edward Joseph	*Illinois*
Klein, Jacob	*Illinois*
Kobak, Alfred, B.S.	*Illinois*
Krembs, Ferdinand Richard, B.S.	*Wisconsin*
Lans, Nathaniel Benjamin, B.S.	*Illinois*
Lansche, Elmer Arnold, B.S.	*Illinois*
Lenit, Harold William	*Illinois*
Levin, Benjamin Mordecai, B.S.	*Illinois*
Litton, Louis, B.S.	*Illinois*
Lorfeld, Gerhard William, B.S.	*Wisconsin*
Lowe, John William, B.S.	*Wisconsin*
Lucas, Frank Blackburn, B.S.	*Illinois*
Magill, Clark Russell William, B.S.	*Illinois*
Maher, Chauncey Carter, B.S.	*Illinois*
Malnekoff, Ben Jack	*Wisconsin*
Mann, William Alfred, B.S.	*Illinois*
Mathre, Albert Ilmer, B.S.	*Illinois*
Mills, Morton Joseph, B.S.	*Illinois*
Moen, Cornetta Grothaus	*Iowa*
McGrath, Floyd Lawrence, B.S.	*Illinois*
McIntire, Emery J., B.S.	*Missouri*
Nasatir, Azor Victor, B.S.	*California*

Newman, Melvin Max, B.S.	*Illinois*
Nielson, Johannes, B.S.	*Illinois*
Owens, Celia Evelyn, B.S.	*Michigan*
Pierce, Harrison Morton, B.A.	*Wisconsin*
Piit, Gaudencio E., B.S.	*Philippine Islands*
Reeves, Dwight Coleman, B.S.	*Illinois*
Reuther, Theodore Ferdinand, B.S.	*Illinois*
Saltiel, Thomas Paine, B.S.	*Illinois*
Schecter, William, B.S.	*Illinois*
Skaperud, Arthur, B.S.	*North Dakota*
Smith, Beulah Marie, B.S.	*Illinois*
Smith, John Frederick	*Ohio*
Stoops, Richard Boothby, B.S.	*Illinois*
Tranter, Paul W.	*South Dakota*
Tygett, Glenn Joseph, B.S.	*Illinois*
Vogel, Samuel Alexander, B.S.	*Wisconsin*
Wead, John Trimmer, B.S.	*Illinois*
Wehringer, Henry George, B.S.	*Illinois*
Wessels, Marie, B.S.	*Illinois*
Wilke, Carl August, B.S.	*Illinois*
Wood, Cordelle Atherton, B.S.	*Illinois*
Yahya, Mohammed Abbass, B.S.	*Syria*

SECOND YEAR CLASS

Abramson, William Frederick	*Illinois*
Armitage, Ralph Boyce	*Illinois*
Bigglestone, Harry Clinton, A.B.	*Illinois*
Bolotin, Max T.	*Illinois*
Brough, Glen Amos, A.B.	*Illinois*
Brown, Hyman Nathanson	*Illinois*
Collins, Loren Leslie	*Illinois*
Colyer, Raymond G.	*Illinois*
Conrad, Clyde Kenneth	*Illinois*
Cooper, Arthur Reuben, A.B., A.M., Ph.D.	*Illinois*
Crow, Robert Neil	*Illinois*
Davis, Irwin	*Illinois*
Deuss, Hugo Otto	*Illinois*
Edgington, Lloyd Conway	*Illinois*
Eliazo, Esteban	*Philippine Islands*
Elliott, William Gibson	*Michigan*
Eshman, Louis	*Illinois*
Etherton, Fred Snider	*Illinois*
Ettleson, Abraham	*Illinois*
Eye, Charles Herold	*Iowa*
Fischer, Jacob	*Illinois*
Flynn, John Francis	*Illinois*
Flynn, Robert William	*Illinois*
Fox, Chester Philip	*Illinois*
Frye, Lawrence	*Illinois*
Gevirtz, Milton B.	*Indiana*

Gilbert, Ivan	*Illinois*
Glassoff, George Samuel	*Illinois*
Glickman, Leo Grant	*Illinois*
Goebel, Russel Walter	*Illinois*
Gorham, Wilbur Clark	*Indiana*
Groves, Robert Leroy	*Illinois*
Guttman, Maurice	*Illinois*
Halpern, Louis Joseph	*Illinois*
Horsky, Brooke	*Montana*
Jerkowsky, Morris Solomon	*Illinois*
Johnson, Howard Reynold	*Illinois*
Johnson, John Robert	*Illinois*
Johnson, Russell, B.A.	*Iowa*
Kaplan, Samuel	*Illinois*
Kenny, William Lloyd	*Illinois*
Kronenberg, Milton	*Illinois*
Leitch, Neil McLean	*Illinois*
Lenth, Vincent James Thomas	*Illinois*
Lenzen, Aloysius Francis, A.B.	*Illinois*
Lifvendahl, Richard Axel	*Illinois*
Mah, Margaret Katharine, B.A.	*Illinois*
Marcusson, William Beringer, Jr.	*Illinois*
Margolis, Jesse	*Pennsylvania*
Meals, Robert Woodruff	*Illinois*
Merchant, Henry Alpheus	*Kentucky*
Meyer, Raymond John	*Illinois*
Montezon, Apolonio Fermin	*Philippine Islands*
Mora, Jacob Morton	*Illinois*
Mulcahy, John P.	*Illinois*
McNally, Andrew	*Illinois*
Neiberg, Carlton Maurice	*Pennsylvania*
Nowlin, Owen Wendell Emen	*Illinois*
Nystrom, Charles Gustav	*Illinois*
O'Hora, Clarence M.	*Wisconsin*
Paul, Berenice Marie, A.B.	*Illinois*
Perman, Louis W.	*New York*
Picard, Arthur Paul	*Illinois*
Ponzer, Emma, A.B.	*Illinois*
Poulson, Charles T.	*South Dakota*
Quackenbush, Charles Verbeck	*Illinois*
Ralston, John Francis	*Illinois*
Rankin, Frank Stephen, B.S.	*Illinois*
Roberts, Dewey Minnis	*Illinois*
Robertson, Robert Crawford, B.A.	*Illinois*
Robertson, Thomas Sanderson	*Illinois*
Rogers, Jesse P.	*Pennsylvania*
Rosenbloom, David H.	*California*
Rubenstein, Joseph	*Illinois*
Schafer, Robert	*Illinois*
Schinberg, David	*Illinois*
Schirmer, Elizabeth Helen	*Illinois*
Shapiro, Sherman Lawrence	*Illinois*

Sigalowa, Dwoira Gershewa	*Russia*
Singer, Harry	*Illinois*
Smejkal, Frank John	*Illinois*
Smith, Charles Raimer	*Illinois*
Snavley, Ralph B.	*Illinois*
Streicher, Michael Henry	*Illinois*
Sutch, Vincent J.	*Illinois*
Thomas, Joseph Hancock	*Illinois*
Thornton, Maurice John	*Indiana*
Thurston, Alvin Stewart	*Illinois*
Tippet, Walter Pierson, B.A.	*Wisconsin*
Uthoff, Joseph	*Illinois*
Vener, Hyman	*California*
Weiner, Samuel	*Illinois*
Wessel, Marion	*Illinois*
Wood, Wilbur Stuart	*Illinois*
Yancovsky, Samuel	*Illinois*
Yockey, John Clarence	*Illinois*
Young, Edmund V.	*Illinois*

FIRST YEAR CLASS

Alford, Frank Lambert	*Illinois*
Armstrong, Ray Conway	*Illinois*
Athanas, Grant Vahan	*Illinois*
Bard, Reuben	*Illinois*
Bass, Howard	*Illinois*
Batko, Jack B.	*Illinois*
Belyea, Reginald Joy	*North Dakota*
Bengtson, Bengt Norman	*Illinois*
Besta, Charles John	*Illinois*
Blount, Walter Putnam	*Illinois*
Blye, Franklin Wetmore	*Illinois*
Bobek, Edward Frank	*Illinois*
Boelio, Louis	*Illinois*
Bohner, Carlyle Bernard	*Illinois*
Bond, Robert Emerson	*Illinois*
Brandenburg, Kenneth Charles	*Illinois*
Brewer, Lewis Rawlings	*Illinois*
Briney, Walter Frederick	*Illinois*
Brodboll, Nora Florence	*Illinois*
Brunkow, Charles Daniel	*Illinois*
Cameron, Stuart	*Illinois*
Carrell, William Dayton	*Illinois*
Cella, Louis Edward	*Illinois*
Christian, Clair Everett	*Iowa*
Connelly, Marie Louise, A.B.	*California*
Crabtree, Joe P.	*Illinois*
Davison, Claude Lorraine, A.S.	*Illinois*
Deitchman, Morris Michael	*Illinois*
Dorman, Marion Furman, A.S.	*Illinois*

Douglas, Robert James	*Illinois*
Edelstein, Benedict Meyer	*Pennsylvania*
Edwards, Robert William	*Illinois*
Ellis, James Caleb	*Illinois*
Ellowitz, Hyman	*California*
Emmerling, Carl J.	*Illinois*
Engelhard, Herbert Harter	*Illinois*
Epstein, Casper Morris	*Illinois*
Eubanks, John Edward, Jr., B.S.	*Illinois*
Fairchild, John Edward	*Illinois*
Fahlstrom, Stanley Charles William	*Illinois*
Feigen, Manuel I.	*Illinois*
Fillingham, Enid	*Indiana*
Flack, Clarence Elbert	*Illinois*
Furness, Carl Nathaniel	*Illinois*
Gellenthien, Carl Herman	*Illinois*
Gentile, Caroline Margaret	*Illinois*
Giron, Juan	*Philippine Islands*
Gootnick, Jacob B.	*Illinois*
Harper, LeRoy	*Washington*
Hawkins, Herman Wientzel	*Illinois*
Hedges, Lafayette Abbott	*Kansas*
Hill, Lewis Rowland, B.S., M.S.	*Illinois*
Holt, Janet Louise	*Illinois*
Hruby, Frank Edward	*Illinois*
Hubbard, Roger Wolcutt	*Illinois*
Humiston, Homer Wheeler	*Illinois*
Inman, Richard Frank, Jr.	*Illinois*
Jones, Arthur Pembroke	*Illinois*
Jackson, Thomas, B.S.	*Illinois*
Johnson, Reinhold Enoch	*Illinois*
Jones, Earnest Eugene	*Illinois*
Kaminsky, Hyman	*Illinois*
Katzman, George Manuel	*Illinois*
Kies, Benjamin Bernard, A.B.	*Illinois*
Kleinman, Bernard Samuel	*Illinois*
Kuner, Samuel	*New York*
Ledford, Roy Merl	*Illinois*
Levy, Benjamin	*Illinois*
Lifshin, Jacob Aaron	*Illinois*
Logan, Francis William	*Illinois*
Lorance, Luther Mohler	*Illinois*
Marsh, Howard LaRue, B.S., M.S.	*Pennsylvania*
Mercer, Alonzo Maceo	*Illinois*
Meyer, William P.	*Illinois*
Meyerson, Solomon	*Illinois*
Miller, Clayton O.	*Illinois*
Mishkin, Herman Louis	*Illinois*
Mohr, Truman Jacob	*Ohio*
Moxon, George William	*Wisconsin*
MacCornack, Donald Maxwell	*Wisconsin*
McMillan, John Charles	*Illinois*

Novak, Julius B.	*Illinois*
Olson, Carl Lester Elmer	*Iowa*
Park, Albert	*Illinois*
Pavlin, Otto Bohemil	*Illinois*
Pawlisch, Otto Victor	*Wisconsin*
Pfeifer, Oliver Conrad	*Illinois*
Pieczynski, John Leo	*Illinois*
Raimond, Florence Mary	*Illinois*
Richter, Oscar	*Illinois*
Rooney, Eugene John	*Illinois*
Rosenberg, Robert	*Illinois*
Rosenbloom, Harold H.	*Illinois*
Ross, Hector Morrison	*Illinois*
Ryan, Lawrence Donat	*Illinois*
Santos, Juan Cuiugan, B.S.	*Philippine Islands*
Schultz, Louis William, D.D.S.	*Illinois*
Sculley, Jesse Casstevens	*South Dakota*
Shalla, Leon Stanley	*Illinois*
Shields, Alfred John Nelson	*Illinois*
Shifrin, Max	*Illinois*
Shore, Samuel	*Illinois*
Shurtz, William Gooding	*Canada*
Smith, Wilbur Childress	*Illinois*
Stamler, Allan Erwin	*Illinois*
Steckbauer, Clifford Earle	*Illinois*
Steinert, Lars Eric Theodore	*Illinois*
Steinman, Floyd Hough	*Illinois*
Stephens, Harry Hart	*Illinois*
Sugar, Sol Ascher	*Illinois*
Sugars, Roy Thomas	*Wisconsin*
Sukumlyn, Stephen William	*North Dakota*
Taugher, Cyril John	*Wisconsin*
Vincent, Helen Ruth	*Illinois*
Wanger, Halvard	*Illinois*
Watters, George Hanawalt	*Iowa*
Wiese, Max Edward	*California*
Williamson, Wayne Sheperd	*Illinois*
Winston, Woody Maurice, A.B.	*Illinois*
Witters, Josef Edward, B.A.	*Michigan*
Wong, David Marndell	*District of Columbia*

UNIVERSITY OF ILLINOIS
THE GRADUATE SCHOOL

Graduate Courses in Medical Sciences

Departments of

Anatomy, Pathology and Bacteriology, Pharmacology, Physiology and Physiological Chemistry

SUMMER QUARTER
1922

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY*

David Kinley, Ph.D., LL.D., President of the University

Arthur Hill Daniels, Ph.D., *Professor of Philosophy and Dean of Graduate School*
William Leonidas Burlison, Ph.D., *Professor of Crop Production*
Edward Herbert Cameron, Ph.D., *Professor of Educational Psychology*
Albert Pruden Carman, A.M., D.Sc., *Professor of Physics*
Julius Goebel, Ph.D., *Professor of Germanic Languages*
Laurence Marcellus Larson, Ph.D., *Professor of History*
Herbert Windsor Mumford, B.S., *Professor of Animal Husbandry*
William Albert Noyes, Ph.D., LL.D., *Professor of Chemistry*
William Abbott Oldfather, Ph.D., *Professor of Classics*
Stuart Pratt Sherman, Ph.D., *Professor of English*
Arthur Newell Talbot, C.E., D.Sc., D.Eng., *Professor of Municipal and Sanitary Engineering*
Edgar Jerome Townsend, Ph.D., LL.D., *Professor of Mathematics*
Henry Baldwin Ward, Ph.D., D.Sc., *Professor of Zoology*
Edward Wight Washburn, Ph.D., *Professor of Ceramic Chemistry*

STANDING COMMITTEE ON GRADUATE WORK IN THE MEDICAL SCIENCES

Henry Baldwin Ward, Ph.D., *Chairman*
Albert Chauncey Eycleshymer, Ph.D., M.D.
David John Davis, Ph.D., M.D.
William Henry Welker, Ph.D., *Secretary*

The Teaching Faculty†

1921-1922

Albert Chauncey Eycleshymer, Ph.D., M.D., *Professor and Head of the Department of Anatomy and Director of Graduate Work in the Medical Sciences*
David John Davis, Ph.D., M.D., *Professor and Head of the Department of Pathology*
Hugh Alister McGuigan, Ph.D., M.D., *Professor and Head of the Department of Pharmacology, Materia Medica and Therapeutics*
William Henry Welker, Ph.D., *Professor of Physiological Chemistry*
Roy Lee Moodie, Ph.D., *Associate Professor of Anatomy*
Otto Frederic Kampmeier, Ph.D., *Associate Professor of Anatomy*

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*The administration of the Graduate School is conducted by the Executive Faculty, appointed from year to year by the President on nomination of various departments and recommendation of the Dean of the Graduate School.

†The Teaching Faculty includes all those who at any time give courses of strictly graduate character. Such courses are accepted for major credit and are numbered one hundred and upwards. For the present such courses are offered by the above faculty.

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student has demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college, as described below, may be admitted to the Graduate School, provided he satisfies the Director and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years, unless the work is done exclusively in the summer quarters.

For purposes of admission to the Graduate School a *standard college* is one which meets the following requirements:

1. An enrollment of not fewer than one hundred students of college grade with an average for a series of years of at least twenty-five per cent registered in the junior and senior classes.

2. A graduation requirement of four years (120 semester hours) of collegiate grade.

3. A minimum entrance requirement of 14 units. By the minimum requirement is meant the smallest number of units with which a student may be permitted to begin college work, i. e., the nominal requirement minus the number of units of conditions allowed.

4. A requirement that all entrance conditions must be removed before a student may be permitted to begin a second year of work in the same institution.

5. Not less than eight distinct departments in liberal arts and sciences, with at least one professor giving full time to college work in each department.

6. A minimum educational attainment of all college teachers of academic subjects equivalent to graduation from a college of high grade and graduate work equal to that required for the master's degree at the University of Illinois.

7. A maximum of 16 semester hours per week required of college teachers.

8. A maximum enrollment of 30 students in recitation or laboratory sections.

9. Buildings and equipment of the value of at least $100,000.

10. A productive endowment sufficient to yield a net annual income of at least $10,000 available for instructional purposes in the college department (liberal arts and sciences). If the institution offers courses in addition to the usual liberal arts course, it shall have a correspondingly larger income.

11. A library of not less than 10,000 bound volumes in addition to public documents.

12. Laboratory equipment of a value of not less than $3,000 in physics ($4,000 if work is offered in advance of one year course), $2,500 in chemistry, and $2,500 in biology.

13. In addition to the foregoing specific requirements, the general standard of the administration and faculty shall be considered.

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University, and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of senior year, and then only for minor subjects, and on petition.

If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Director at the time of registration.

In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture or laboratory exercises a week, without petition.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

The enrollment of a member of the staff is subject to the approval of the officer to whom he is responsible as a member of the staff and of the Director of the Graduate School with reference to the amount of work to be taken.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Students should note that all the work for the master's degree must be done in residence at the University, excepting in the case of members of the staff who have spent half of their time in study through a year at some other institution, and then do the rest of the work required during a year in residence here.

Credit for work done elsewhere is not transferred. The candidate is examined here on all the work required for the degree.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. See the regulations concerning changes in study lists, page 10 of the Graduate School Circular. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

DEGREES

The Degree of Master of Science

Character of Master's Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practise may be departed from in cases where the undergraduate course of study was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practise is permitted, however, only on individual petition duly approved.

Graduate Work in the Medical Sciences

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work, and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first-rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Grades.—Student's work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work. The degree will not be awarded to any student who does not secure a grade of B or higher in three-fourths of the work (number of units) for the degree, including his thesis.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is a least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

A program of studies for a first-year graduate student which is limited exclusively to the investigation of a single problem will not be approved.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. The thesis subject must be sent to the Dean of the Graduate School for approval by the Executive Faculty before the completion of the first third of the work for the degree. The requirement of a thesis may be waived, however, upon the recommendation

of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the beginning of the year. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis paper,"[1] and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

The Degree of Doctor of Philosophy

Majors and Minors.—The requirements for the degree of Doctor of Philosophy are a thoro mastery of a selected field of study, evidence of the power of independent investigation in this field, a broad knowledge of the wider field of study of which this major subject is a part, a general acquaintance with related fields of knowledge, and a mastery of all branches of study which are necessary to a full knowledge of the main subject. Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and second minor. The major subject is the field in which the student expects to become expert and an authority. One minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The remaining minor must be chosen outside of the major field of study.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution, and either the first two or the last one of the three must be spent at the University of Illinois.

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[1] No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's office, Room 309.

The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Credit for work done in other universities is not "transferred." The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

EXAMINATIONS

Preliminary.—A. In major and minors.—Towards the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but is not confined to that. It extends to the whole field of study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

Unless previously printed with proper authority, a typewritten copy of the complete thesis, *on thesis paper,** must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination. All theses must be in the hands of the Dean at least four weeks before the time when the degree is to be conferred.

The doctor's thesis must be printed and one hundred copies deposited in the Library of the University by the candidate, not later than two weeks preceding the conferring of the degree. In form, the printed thesis must follow the "instructions for the preparation of masters' and doctors' theses," copies of which may be obtained at the Dean's office on application. If the student does not present a printed thesis he must deposit along with his manuscript the sum of seventy-five dollars ($75) or a bond for that amount satisfactory to the Comptroller of the University and the Dean of the Graduate School. A member of the faculty of the University of Illinois will not be accepted as a guarantor of such a bond. If a bond is accepted, it must be replaced at the end of one year with a cash deposit. At the end of two years, if the thesis has not then been printed by the student, the University will print it or such part of it as is deemed best.

The cash deposit made by the student who does not print his thesis by the end of the second year after his degree is conferred becomes the property of the University, to be used for the general purpose of printing thesis.

The title-page of each thesis, whether typewritten or printed, must bear the words, "Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in—[here put the major subject]—in the Graduate School of the University of Illinois."

FEES AND EXPENSES.—Except as noted below, graduate students in medicine pay fees as follows:

Matriculation fee	$10.00
Tuition fee (summer quarter)	10.00
Tuition fee (semester)	15.00
Laboratory deposit (each quarter or semester)	15.00
Diploma fee	10.00

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*No other will be accepted by the Dean.

Graduate Work in the Medical Sciences

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to scholars, fellows, or members of the corps of instruction, or of the staffs of the scientific bureaus of experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from scholars, fellows, or members of the corps of instruction or of the scientific staffs mentioned above.

Departments of Instruction

ANATOMY

101. HISTOGENESIS.—A study of the structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. Laboratory course with occasional lectures and assigned reading. *One unit.*
Professor EYCLESHYMER, Associate Professor MOODIE
and Associate Professor KAMPMEIER

103. INDIVIDUAL RESEARCH AND EMBRYOLOGY AND HISTOGENESIS.—*One or two units.*
Professor EYCLESHYMER, Associate Professor MOODIE
and Associate Professor KAMPMEIER

PHARMACOLOGY

101. ADVANCED PHARMACODYNAMICS.—Laboratory work.—*One unit.*
Professor MCGUIGAN

103. RESEARCH WORK IN PHARMACODYNAMICS.—*One or two units.*
Professor MCGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

101. ADVANCED BIOLOGICAL CHEMISTRY.—Biochemical methods of research, biological colloids, enzyme action and metabolism.—*One or two units.*
Professor WELKER

103. BIOCHEMICAL RESEARCH.—*One or two units.*
Professor WELKER

105. ADVANCED PHYSIOLOGY.—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—*One or two units.*
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109. RESEARCH WORK IN PHYSIOLOGY.—*One or two units.*
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PATHOLOGY AND BACTERIOLOGY

101. ADVANCED PATHOGENESIS.—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—*One unit.*
Professor DAVIS

103. INDIVIDUAL RESEARCH COURSE.—*One or two units.*
Professor DAVIS

Graduate Work in the Medical Sciences

REGISTER OF STUDENTS

Atkinson, Harry Victor—Pharmacology. B.S. (Ohio State University), 1911. Van Wert, Ohio.

Heinekamp, Walter John Richard—Pharmacology. B.S., 1919. M.S., 1920. Chicago.

Ets, Harold Norris—Pharmacology. B.S. (University of Rochester), 1920. Rochester, N. Y.

Groves, Robert Leroy—Pathology and Bacteriology. A.B. (University of California), 1917. Chicago.

Robertson, Robert Crawford—Pathology and Bacteriology. A.B., 1921. Coulterville, Illinois.

DEGREES CONFERRED

The degree of Doctor of Philosophy conferred June 14, 1922
Atkinson, Harry Victor, B.S.

LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Medicine may be found files of journals, monographs, separates, and standard texts supplying nearly every need

The Quine Library.—This Library contains the chief standard text-books and works of reference, various monographs, collections of separates, and files of many important medical journals. In addition to these the following scientific journals are regularly received. Those marked with an asterisk (*) have complete or approximately complete files already on the shelves. Other files are being added as rapidly as possible:

*_Abstracts of Bacteriology_
*_American Journal of Anatomy_
*_American Journal of Care for Cripples_
*_American Journal of Diseases of Children_
American Journal of Electrotherapeutics & Radiology
*_American Journal of Hygiene_
*_American Journal of Insanity_
*_American Journal of the Medical Sciences_
*_American Journal of Obstetrics and Diseases of Women and Children_
*_American Journal of Obstetrics & Gynecology_
*_American Journal of Ophthalmology_
*_American Journal of Physical Anthropology_
*_American Journal of Physiology_
*_American Journal of Public Health_
American Journal of Roentgenology
*_American Journal of Syphilis_
*_American Naturalist_
*_American Review of Tuberculosis_
*_Anatomical Record_
*_Anatomische Hefte_
*_Anatomischer Anzeiger_
*_Annales de Gynecologie et d'Obstetrique_

**Annales de Dermatologie et de Syphiligraphie*
**Annales de Hygiene Publique*
**Annales de l'Institut Pasteur*
**Annals of Medical History*
**Annals of Ophthalmology*
**Annals of Otology, Rhinology and Laryngology*
**Annals of Surgery*
**Annals of Tropical Medicine and Parasitology*
**L'Année Biologique*
**Arbeiten aus der Anatomische Institut der Universität zu Sendia*
Arbeiten de pharmaceutischen Institut der Universität Berlin
**Arbeiten der pharmaceutischen Institut zu Dorpat*
**Archiv für Anatomie und Physiologie (Anatomische Abteilung)*
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**Archiv für mikroskopische Anatomie*
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**Archives of Neurology and Psychiatry*
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**Archives of Ophthalmology*
**Archives of Pediatrics*
Archives of Radiology and Electro therapy
Archives of the Roentgen Ray
**Archives of Surgery*
**Archivio Italiano di Anatomia e di Embriologia*
**Beiträge zur Chemischen Physiologie und Pathologie*
Beiträge zur Kninische Chirurgie
**Beiträge zur pathologischen Anatomie und zur allgemeinen Pathologie*
**Berichte d. Deutschen Chemisches Gesellschaft*
Berichte über die gesamte Physiologie und experimentalle Pharmakologie
Berichte über die Versammlungen der ophthalmologischen Gesellschaft
**Berliner klinische Wochenschrift*
Bibliographie Anatomique
**Biochemical Bulletin*
**Biochemical Journal*
**Biochemische Zeitschrift*
**Biological Bulletin*
**Biologisches Centralblatt*
**Biometrika*
**Biophysikalisches Zentralblatt*
**Boston Medical and Surgical Journal*
**Brain*
British Dental Journal
British Gynecological Journal
British Journal of Children's Diseases
**British Journal of Dental Science*

**British Journal of Experimental Pathology*
**British Journal of Ophthalmology*
**British Journal of Psychology*
**British Journal of Surgery*
**British Medical Journal*
Bulletin de l'Académie de Medicine
**Bulletin de la Société de Pathologie Exotique*
Bulletin de la Société Française de Dermatologie et de Syphiligraphie
**Bulletin de l'Institut Pasteur*
Bulletins et Mémoires de la Société de Chirurgie de Paris
Bulletins et Mémoires de la Société Anatomique de Paris
Bulletins et Mémoires de la Société Médicale des hôpitaux de Paris
**Bulletin of the Society of Medical History of Chicago*
**Canadian Medical Association Journal*
**La Cellule*
**Centralblatt für allgemeine Pathologie und Pathologische Anatomie*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Originale*
**Centralblatt für Bakteriologie, Parasitenkunde und Infektionskrankheiten. Referate*
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Centralblatt für die medichinischen Wissenschaften
**Centralblatt für Nervenheilkunde und Psychiatrie*
Centralblatt für praktische Augenheilkunde
**Chemical Abstracts*
**Chemisches Centralblatt*
**Chicago Pathological Society, Transactions*
**Comptes Rendus des Séances de la Société de Biologie*
Correspondenzblatt für Schweizer Aerzte
La Cronica Medica
**Dental Cosmos*
**Dermatologische Zeitschrift*
**Deutsches Archiv für klinische Medizin*
**Deutsche Zeitschrift für Nervenheilkunde*
**Deutsche Zeitschrift für Chirurgie*
Deutsche Monatsschrift für Zahnheilkunde
**L'Enciphale*
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Internationale Monatsschrift für Anatomie und Physiologie
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**Jahresbericht der Ophthalmologie*
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**Jahresbericht über die Fortschritte auf dem Gebiete der Chirurgie*

*Jahresbericht über die Fortschritte auf dem Gebiete der Geburtshilfe und Gynäkologie
*Jahresbericht über die Fortschritte der Tier-Chemie (Maly)
*Jahresbericht über die Leistungen und Fortschritte auf dem Gebiete der Neurologie und Psychiatrie
*Jahresbericht über die Lehre von den pathogenen Mikroorganismen, umfassend Bakterien, Pilze und Protozoën
*Jahresbericht über die Fortschritte Anatomie und Physiologie (Waldeyer-Posner)
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*Jahresbericht über die Ophthalmologie
*Jahreskurse für ärztliche Fortbildung
*Jenaische Zeitschrift für Naturwissenschaft
*Johns Hopkins Hospital. Bulletin
*Johns Hopkins Hospital. Reports
Journal de l'Anatomie et de la Physiologie normales et pathologiques de l'Homme et des Animaux
Journal of Advanced Therapeutics
*Journal of Agricultural Research
*Journal of American Chemical Society
*Journal of American Medical Association
*Journal of Anatomy
*Journal of Anatomy and Physiology
*Journal of Association of Military Surgeons
*Journal of Association of Official Agricultural Chemists
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*Journal of Biological Chemistry
*Journal of Cancer Research
*Journal of the Chemical Society of London
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*Journal of Cutaneous Diseases
*Journal of Dental Research
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*Journal of Experimental Zoology
*Journal of General Physiology
Journal of Genetics
*Journal of Hygiene
*Journal of Immunology
*Journal of Industrial Hygiene
*Journal of Infectious Diseases
*Journal of Laboratory and Clinical Medicine
*Journal of Medical Research
*Journal of Mental Science
*Journal of Morphology
*Journal of National Dental Association
*Journal of Nervous and Mental Diseases
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*Journal of Pathology and Bacteriology
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Journal of Royal Microscopical Society
*Journal of Tropical Medicine and Hygiene
Journal de Urologie
*Journal of Urology
*Kitasato Archives of Experimental Medicine
*Klinische Monatsblätter für Augenheilkunde
*Klinische Wochenschrift
*Lancet
*Mayo Clinics
*Medical Clinics of Chicago
*Medical Clinics of North America
Medical Journal of Australia
*Medical Record
*Medicine and Surgery
*Medizinal-statistische Mitteilungen aus dem kaiserlichen Gesundheitsamte
*Medizinische Klinik
*Mental Hygiene
*Military Surgeon
*Mitteilungen aus dem Grenzgebieten der Medizin und Chirurgie

Mitteilungen aus der medizinischen Fakultät der kaiserlichen Universität zu Tokyo
*Modern Medicine
Monatshefte für praktische Dermatologie
*Monatsschrift für Geburtshülfe und Gynäkologie
Monatsschrift für Ohrenheilkunde
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*Nation's Health
*Neurologisches Centralblatt
*La Névraxe
New Orleans Medical and Surgical Journal
*New York Medical Journal
New York Pathological Society, Proceedings
*Ophthalmic Record
*Ophthalmic Year Book
*Parasitology
La Pediatria
*Pediatrics
*Pennsylvania Medical Journal
*La Presse Médicale, Paris
Philippine Journal of Science
*Physiological Abstracts
*Practitioner
*Proceedings of the Society for Experimental Biology and Medicine
*Progressive Medicine
*Psychobiology
*Quarterly Cumulative Index to Current Medical Literature
*Quarterly Journal of Experimental Physiology
*Quarterly Journal of Medicine
*Quarterly Journal of Microscopical Science
*Revue de Chirurgie
*Revue de Gynaecologie
*Revue Internationale de la Croix-Rogue
*Revue de Neurologie
*Review of Neurology and Psychiatry
*Revue des Sciences Médicales
*Royal Lond. Ophthalmic Hospital Reports
*Royal Society of Medicine, Proceedings
*Schmidt's Jahrbücher der in-und ausländischen gesamten Medizin
*Schweizeriches medizinische Wochenschrift
*Schweizer Archiv für Neurologie und Psychiatrie
*Science
*Scientific Monthly
La Semaine Médicale
*Skandinavisches Archiv für Physiologie
*Southern Medical Journal
*Strahlentherapie
*Surgery, Gynecology and Obstetrics
*Surgical Clinics of Chicago
*Surgical Clinics of North America
*Therapeutic Gazette
*Therapeutische Halbmonatshefte
Therapie der Gegenwart
*Tohoku Journal of Experimental Medicine
U. S. Dept. of Agriculture—Experiment Station Record
*United States Naval Medical Bulletin
Verhandlungen der deutschen anatomischen Gesellschaft
*Verhandlungen der deutschen pathologischen Gesellschaft
*Wiener Archiv für innere Medizin
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*Zeitschrift für Hygiene und Infektionskrankheiten

**Zeitschrift für Immunitätsforschung und experimentelle Therapie. Originale*

**Zeitschrift für Immunitätsforschung und experimentelle Therapie. Referate*

**Zeitschrift für induktive Abstammungs und Vererbungslehre*

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**Zeitschrift für physiologische Chemie (Hoppe-Seyler)*

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Zentralblatt für Biochemie und Biophysik

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